PB83-116111

Water Resources Data Louisiana, Water Year 1981
Volume 1: Central and Northern Louisiana

(U.S.) Geological Survey
Baton Rouge, LA

Mar 82

U.S. Department of Commerce
National Technical Information Service
NTIS

PB83-116111

March 3, 1849

Water Resources Data Louisiana

Water Year 1981

Volume 1. Central and Northern Louisiana

Volume 1
Central and Northern Louisiana
Volume 2
Southern Louisiana
Volume 3
Coastal Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-81-1
Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

CALENDAR FOR WATER YEAR 1981

1980

OCTOBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

NOVEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

DECEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

1981

JANUARY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

FEBRUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

MARCH

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JUNE

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST

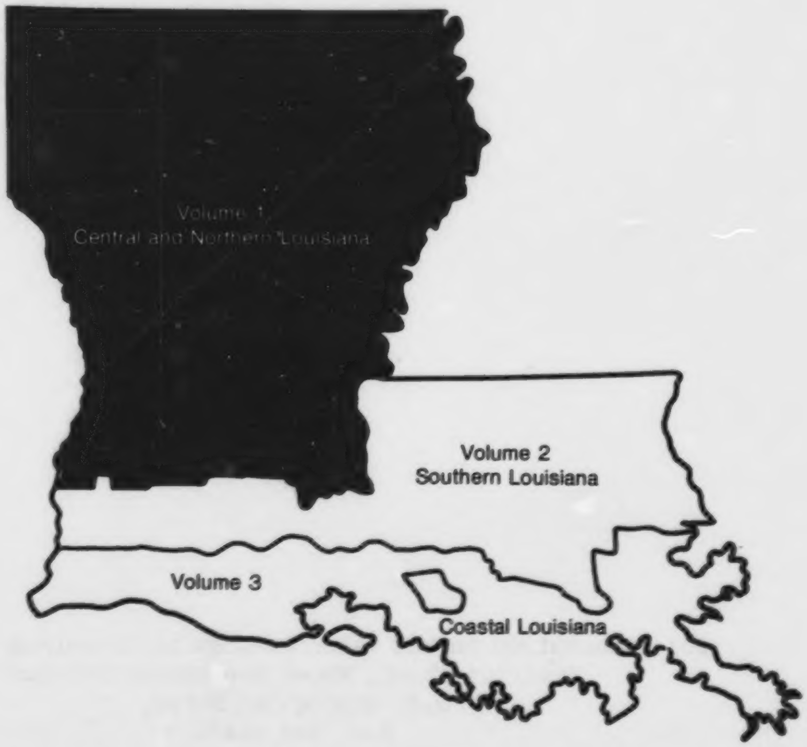
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SEPTEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Water Resources Data
Louisiana
Water Year 1981

Volume 1. Central and Northern Louisiana


Volume 1
Central and Northern Louisiana
Volume 2
Southern Louisiana
Volume 3
Coastal Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-81-1
Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Louisiana write to
District Chief, Water Resources Division
U.S. Geological Survey
P.O. Box 66492
Baton Rouge, LA 70896

1981

PREFACE

This report was prepared by personnel of the Louisiana district of the Water Resources Division of the U.S. Geological Survey under the supervision of Darwin D. Knochenmus, District Chief, and Alfred Clebsch, Jr., Regional Hydrologist, Central Region. It was done in cooperation with the State of Louisiana and with other agencies.

This report is one of a series issued by State. General direction for the series is by Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and Robert J. Dingman, Assistant Chief Hydrologist for Scientific Publications and Data Management.

Data for Louisiana are in three volumes as follows:

Volume 1. Central and northern Louisiana
Volume 2. Southern Louisiana
Volume 3. Coastal Louisiana

50272-101

REPORT DOCUMENTATION PAGE

1. REPORT NO. USGS/WRD/HD-81/021

2.

3. Recipient's Accession No.

4. Title and Subtitle

Water Resources Data Louisiana, Water Year 1981
Volume 1. Central and Northern Louisiana

5. Report Date March 1982

6.

7. Author(s)

8. Performing Organization Rept. No. USGS-WDR-LA-1

9. Performing Organization Name and Address

U.S. Geological Survey, Water Resources Division
P.O. Box 66492
Baton Rouge, Louisiana 70896

10. Project/Task/Work Unit No.

11. Contract(C) or Grant(G) No.
(C)
(G)

12. Sponsoring Organization Name and Address

U.S. Geological Survey, Water Resources Division
P.O. Box 66492
Baton Rouge, Louisiana 70896

13. Type of Report & Period Covered 10/1/80 to 9/30/81

14.

15. Supplementary Notes

Prepared in cooperation with the State of Lousiana and with other agencies.

16. Abstract (Limit: 200 words)

Water resources data for the 1981 water year for Lousiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains records for water discharge at 81 gaging stations (including stage for 76 of these stations); stage only for 37 gaging stations and 10 lakes; contents for 1 reservoir; water quality for 142 surface-water stations (including 35 gaging stations), 27 miscellaneous sites, and 10 lakes, and 286 wells; and water levels for 679 observation wells. Also included are data for 250 crest-stage and flood-profile stations. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements. Records for a few pertinent stations in bordering states are also included in this report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

17. Document Analysis a. Descriptors

*Louisiana, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses.

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

18. Availability Statement No restriction. This report may be purchased from National Technical Information Service, Springfield, VA 22161.

19. Security Class (This Report) UNCLASSIFIED

20. Security Class (This Page) UNCLASSIFIED

21. No. of Pages 424

22. Price

(See ANSI-Z39.18)

See Instructions on Reverse

OPTIONAL FORM 272 (4-77)
(Formerly NTIS-35)
Department of Commerce

CONTENTS

Page

Preface........ III
Illustrations........ VI
List of gaging stations, in downstream order, for which records are published........ VII
Introduction........ 1
Cooperation........ 1
Hydrologic summary........ 2
  Surface water........ 2
  Ground water........ 2
Definition of terms........ 3
Downstream order and station numbers........ 9
Numbering system for wells and miscellaneous sites........ 9
Special networks and programs........ 9
Explanation of stage and water-discharge records........ 10
  Collection and computation of data........ 10
  Accuracy of field data and computed results........ 11
  Other data available........ 12
  Records of discharge collected by agencies other than the Geological Survey........ 12
Explanation of water-quality records........ 12
  Collection and examination of data........ 12
  Water analysis........ 12
  Water temperatures........ 12
  Sediment........ 12
Explanation of ground-water level records........ 13
  Collection of the data........ 13
Publications on techniques of water-resources investigations........ 14
Hydrologic-data station records........ 19
Analyses of samples collected at miscellaneous sites........ 340
Ground-water:
  Ground-water level records........ 351
  Ground-water chemical analyses........ 412
  Geologic Unit........ 419
Index........ 421

ILLUSTRATIONS

Page

Figure 1. System for numbering wells and miscellaneous sites......... 9
2. Map showing location of continuous gaging stations......... 15
3. Map showing location of crest-stage stations............... 16
4. Map showing location of flood-profile stations............. 17
5. Map showing location of water-quality stations............. 18
6. Map showing location of observation wells.................. 347
7. Map showing location of observation wells in Allen and Evangeline Parishes........................ 348
8. Map showing location of observation wells in Beauregard Parish.................................... 349
9. Map showing location of observation wells in Rapides Parish....................................... 350
10. Map showing location of wells for which water-quality data are included........................... 411

GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

Page

LOWER MISSISSIPPI RIVER BASIN

Mississippi River at Vicksburg, MS 19

RED RIVER BASIN

- Red River near Hosston 22
- Red River above Shreveport 26
  - Cross Bayou:
    - Paw Paw Bayou near Greenwood 31
    - Twelvemile Bayou (continuation of Cypress Creek):
    - Twelvemile Bayou near Dixie 33
    - Twelvemile Bayou below Dixie 40
- Red River at Shreveport 41
  - Bayou Dorcheat (head of Loggy Bayou) near Springhill 45
  - Bayou Dorcheat near Minden 47
  - Lake Bistineau (Bayou Dorcheat) near Ringgold 48
    - Flat River:
    - Flat River near Curtis 49
      - Bodcau Creek (head of Red Chute Bayou):
      - Bodcau Bayou (continuation of Bodcau Creek) near Sarepta 51
        - Cypress Bayou above Benton 53
        - Cypress Bayou Lake near Benton 55
      - Red Chute Bayou at Sligo 56
  - Loggy Bayou near Ninock 59
    - Wallace Bayou:
      - Boggy Bayou near Keithville 63
  - Bayou Pierre below Caspiana 65
  - Bayou Pierre near Grand Bayou 74
  - Bayou Pierre at Evelyn 76
    - West Branch Dolet Bayou at Rambin 78
  - Bayou Pierre at Lake End 79
  - Bayou Pierre at Powhatan 83
  - Saline Bayou near Lucky 85
    - Black Lake Bayou:
      - Grand Bayou near Coushatta 87
      - Black Lake Bayou near Clarence 93
  - Saline Bayou near Clarence 94
  - Nantachie Lake near Aloha 95
  - Kisatchie Bayou at Lotus 96
- Red River at Colfax 99
- Red River at Boyce 101
- Bayou Rigolette:
- Red River at Alexandria 106
- Red River at Moncla 118
  - Larto Lake at Dam, near Acme 123

Page

LOWER MISSISSIPPI RIVER BASIN--Continued
RED RIVER BASIN--Continued

Ouachita River (head of Black River) near Arkansas-Louisiana State line.......... 124
Bayou Bartholomew near Jones.......... 126
Bayou Bartholomew northwest of Jones.......... 130
Ouachita River at Sterlington.......... 131
Bayou de Loutre near Farmerville.......... 132
Lake Claiborne (Bayou D'Arbonne) near Aycock.......... 134
Bayou D'Arbonne near Hico.......... 135
Corney Bayou near Lillie.......... 137
Little Corney Bayou near Lillie.......... 139
Bayou D'Arbonne Lake at Farmerville.......... 143
Chauvin Bayou near Monroe.......... 144
Ouachita River at Columbia Lock and Dam near Riverton.......... 145
Ouachita River at Columbia.......... 146
Boeuf River near Arkansas-Louisiana State line.......... 154
Bayou Bonne Idee near Oak Ridge.......... 157
Boeuf River near Girard.......... 159
Boeuf River southwest of Rayville.......... 161
Bayou Lafourche near Crew Lake.......... 162
Bayou Lafourche near Alto.......... 164
Boeuf River near Fort Necessity.......... 165
Turkey Creek at State Highway 15, at Winnsboro.......... 171
Bushley Bayou near Harrisonburg.......... 172
Lake Providence (head of Tensas River):
Tensas River:
Lake Providence north of Lake Providence.......... 173
Lake Providence at Lake Providence.......... 175
Roundaway Bayou:
Lower Roundaway Bayou:
Brushy Bayou at Tallulah.......... 178
Lower Roundaway Bayou tributary near Tallulah.......... 179
Panola Bayou at Tallulah.......... 180
Tensas River at Tendal.......... 181
Tensas River southeast of Tendal.......... 190
Lake St. Joseph (Clark Bayou) near Newellton.......... 191
Bayou Bruin (head of Routh Ditch):
Lake Bruin (Bayou Bruin) at Lake Bruin State Park near St. Joseph.......... 195
Bayou Macon near Kilbourne.......... 196
Bayou Macon near Delhi.......... 200
Black River:
Castor Creek (head of Little River):
Dugdemona River near Jonesboro.......... 202
Fouse Bayou at State Highway 155, near Danville.......... 204
Dugdemona River near Winnfield.......... 207

Page

LOWER MISSISSIPPI RIVER BASIN--Continued

RED RIVER BASIN--Continued

Little River at Rochelle.................................... 208
Little River near Rochelle.................................. 209
Big Creek at Pollock.................................... 215
Catahoula Lake:
Hemphill Creek at Nebo.................................... 220
Black Bayou (head of Bayou Cocodrie):
Buckner Bayou:
Lake St. John near Waterproof.............................. 226
Bayou Cocodrie:
Lake Concordia near Ferriday.................................. 230
Old River outflow channel (Knox Landing) south of Black Hawk.... 236

MISSISSIPPI RIVER DELTA

Bayou Courtableau (head of Bayou Teche):
Bayou Cocodrie:
Spring Creek near Glenmora.................................. 238
Bayou Cocodrie near Clearwater.............................. 242
Bayou Courtableau near Washington.............................. 244
Bayou Courtableau at Washington................................ 245
West Protection Levee borrow pit channel:
Bayou des Glaises diversion channel at Moreauville........ 247
Bayou des Glaises diversion channel near Moreauville...... 249
Bayou D'Arbonne:
State Canal near Krotz Springs............................. 250
Bayou Courtableau west of drainage structure at Courtableau.. 251
Bayou Courtableau east of drainage structure at Courtableau.. 254
Bayou Teche at Robin... 257
Bayou Teche at Arnaudville..................................... 258
Bayou Fusilier near Arnaudville................................ 260

WESTERN GULF OF MEXICO BASINS

MERMENTAU RIVER BASIN

Bayou des Cannes (head of Mermentau River) near Eunice............ 261
Bayou Nezpique:
Bayou Nezpique near Basile.................................. 263

CALCASIEU RIVER BASIN

Calcasieu River near Glenmora...................................... 265
Calcasieu River near Oberlin....................................... 267
Whiskey Chitto Creek near Oberlin.............................. 271
Calcasieu River near Kinder.. 273
Beckwith Creek (head of West Fork Calcasieu River) near De Quincy.. 281

Page

WESTERN GULF OF MEXICO BASINS--Continued
SABINE RIVER BASIN
Sabine River near Beckville, TX.................................... 283
Sabine River at Logansport.. 286
  Bayou Castor near Funston.. 289
  Bayou Castor near Logansport..................................... 291
  Bayou Grand Cane near Stanley.................................... 294
  Bayou San Patricio near Benson................................... 300
Toledo Bend Reservoir (Sabine River) near Burkeville, TX.......... 306
Sabine River at Toledo Bend Reservoir near Burkeville, TX......... 307
  Bayou Toro near Toro... 309
  Bayou Toro near Toledo Bend, near Toro........................... 311
Sabine River near Burkeville, TX.................................... 312
  Bayou Anacoco near Rosepine...................................... 315
  Bayou Anacoco near Knight.. 317
Sabine River near Bon Wier, TX...................................... 320
  Hoosier Creek near Merryville.................................... 322

INTRODUCTION

Water resources data for the 1981 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains discharge records for 81 gaging stations; stage record for 76 of these gaging stations; stage only for 37 gaging stations; contents for 1 reservoir; stage only for 10 lakes; water quality for 142 stations (35 of these at gaging stations), 27 miscellaneous sites, 10 lakes, and 286 wells; and water levels for 679 observation wells. Also included are data for 135 crest-stage partial-record stations and 115 flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements and analysis. These data stations represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

Records of discharge or stage of streams and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a state-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a state-boundary basis. These official Survey reports carry an identification number consisting of the two-letter state abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report LA-81-1." Water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on page II or by telephone (504) 389-0281.

COOPERATION

The U.S. Geological Survey and organizations of the State of Louisiana have had cooperative agreements for the systematic collection of streamflow records since 1938, for ground-water levels since 1936, and for water-quality records since 1943. Organizations that assisted in collecting data through joint-funding agreements with the Survey are:

Louisiana Department of Transportation and Development, Paul J.Hardy, Secretary: Office of Public Works, I. F. "Jiff" Hingle, Assistant Secretary, and Office of Highways, Neil L. Wagoner, Assistant Secretary.

Louisiana Department of Natural Resources, Frank A. Ashby, Jr., Secretary: Water Pollution Control Division, J. Dale Givens, Administrator, and Office of Conservation, James H. Welsh, Chief of Surface Mining Division.

City of Baton Rouge and Parish of East Baton Rouge, Pat Screen, Mayor-President: Department of Public Works, Robert G. Graves, Director.

Sabine River Compact Administration, composed of Lamar E. Carroon, Federal Representative and Chairman; I. F. "Jiff" Hingle and Raymond J. Palmer for Louisiana; Neilson Davis, succeeded by David V. Gardner, and J. M. Syler for Texas.

Capital Area Ground Water Conservation Commission, Charles M. Smith, Chairman.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army, the U. S. Department of Energy, the U.S. Environmental Protection Agency, and the National Park Service in collection of records for 40 stage and discharge stations and 105 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

The period of deficient flow that began in June 1980 continued into October. Not until mid-October was rainfall significant to change the decreasing streamflow trend. Even with above normal rainfall occurring mid-October through November, most index stations had monthly discharges that were below their long-term averages.

During December, rainfall was below normal in most of the State. This was reflected at four stations where the monthly average flow for December was the fourth lowest for the period of record. These sites are Paw Paw Bayou near Greenwood, Saline Bayou near Lucky, Bayou Toro near Toro, and Calcasieu River near Oberlin. The Mississippi River had several days of deficient flow in December. During the deficient-flow period, the discharge was below 200,000 ft^3/s which created some concern in regard to low-water navigation and saltwater intrusion. The saltwater wedge had approached river mile 18 (near Buras) on December 10. The Mississippi River at Baton Rouge continued its downward trend through January 31, when the discharge dropped to 157,000 ft^3/s. The saltwater wedge reached its most upstream position, river mile 61 (near Myrtle Grove), on February 3. Average flow for the Red River at Alexandria was only 10 percent of the long-term-average runoff for January; this flow, 3,940 ft^3/s, was a record low for average flow during January.

In April, the Mississippi River at Baton Rouge had a new record minimum daily mean discharge for the month of 261,000 ft^3/s. Deficient flow was also experienced at other index stations during April.

Streamflow conditions improved during May and June in the northwestern part of the State. Paw Paw Bayou near Greenwood had a record maximum daily mean flow for June of 6,670 ft^3/s; the previous maximum for June was 3,180 ft^3/s. Also, Bayou Toro near Toro had a new maximum daily flow of 3,570 ft^3/s, compared to the previous maximum of 2,970 ft^3/s.

Scattered rainfall during July, August, and September helped to relieve the deficient flow conditions at most index stations. On September 30, the daily mean discharge for the Mississippi River at Baton Rouge was again approaching 200,000 ft^3/s. This is the threshold rate for saltwater intrusion from the Gulf of Mexico.

Storage in Toledo Bend Reservoir on the Sabine River at the end of the 1980 water year was 3,711,000 acre-ft; at the end of the 1981 water year, the contents were 3,907,000 acre-ft, a net change of +196,000 acre-ft.

In the Mississippi River at New Orleans, dissolved-oxygen concentrations ranged from 5.3 to 12.3 mg/L, water temperatures ranged from 5.0 to 31.5°C, and pH ranged from 7.0 to 7.7 units during the water year. All measured values met the limits for water quality criteria as set forth by the State of Louisiana. The criteria are 5.0 mg/L for dissolved oxygen, 32.0°C for temperature, and 6.5 to 9.0 units for pH.

Ground Water

Public-supply and industrial pumping in northern and central Louisiana continued to cause regional water-level declines in wells in the Sparta Sand and Miocene aquifers. Generally, decline rates ranged from 0.5 to 2.5 feet per year. Water levels in some wells reached new lows for the period of record at the end of the water year. Hydrographs for wells screened in the Wilcox, Cockfield, and alluvial aquifers showed normal seasonal fluctuations. In some wells screened in the Red River alluvial aquifer near streams, water levels at the end of water year 1981 were 3 to 5 feet lower than at the end of water year 1980. Water levels in wells screened in the terrace aquifers in central Louisiana were 1.5 to 5 feet lower at the end of the water year 1981 than at the end of water year 1980, partly due to deficient precipitation in the winter and spring. The water level of well G-127B, key observation well in the terrace aquifer, was 1.5 feet lower than at the end of water year 1980, but was still 1 to 4 feet higher than during the 1964-72 period.

During this water year, levels in wells in the Chicot aquifer in southwestern Louisiana recovered from the record lows caused by deficient rainfall during the 1980 irrigation season. The residual effects of the seasonal drought caused water levels to be an average of 2.5 feet lower in the spring of 1981 than in 1980. However, seasonal low-water levels, during the 1981 pumping season averaged nearly a foot to about 3 feet higher than for the comparable period of 1980.

Chloride concentrations in some wells in the "500-foot" sand of the Chicot aquifer in the Lake Charles industrial area have been increasing since 1977. Chlorographs show a cyclic pattern that may be related to changes in pumping rates. Currently, the chloride concentrations range from about 200 to 450 mg/L. In the southern part of Lake Charles, chloride concentrations in wells in the "700-foot" sand are increasing steadily at a rate of 25 to 30 mg/L per year. Maximum chloride concentrations in pumped wells in that area now are about 750 mg/L. The salinity of water in the "upper sand unit" of the Chicot aquifer in the Abbeville area has continued to rise during the past 6 years. The maximum concentration of chloride is now about 300 mg/L.

Observation wells in the Evangeline aquifer in the Eunice and Opelousas areas had nearly consecutive record monthly low-water levels during the water year. At Eunice the level for September 1981 was the lowest recorded during 16 years of record.

In the Baton Rouge area, water levels in wells in the shallow aquifers continued their gradual rising rising trend; spring highs in wells in the "400-foot" sand were 1 to 20 feet higher this year than in 1980, but spring highs in wells in the "600-foot" sand were 3 to 8 feet lower. Declines of 1 to 5 feet occurred in wells in the "1,200-foot" sand in the past year. In wells in the "1,500-foot" sand, levels were 2 to 8 feet lower than last year and record lows were reached in several wells in July and August. Water levels in wells screened in the "2,000-foot" sand have risen 2 to 20 feet since 1980. In wells in the "2,400-foot" sand, levels were generally several feet above record lows reached in 1979 and 1980.

Saltwater encroachment in the "600-foot" sand of the Baton Rouge area has apparently slowed in recent years, in part because of reduced pumping from this sand, and no evidence of additional encroachment has been detected recently. In contrast, water from a monitor well (EB-807A) in the "1,500-foot" sand in south Baton Rouge has shown a sharp increase in chloride concentration, indicating that northward movement of salty water toward several well fields is continuing. Water from a monitor well in the "1,000-foot" sand (EB-805) has shown a steady increase in chloride concentration, from about 650 mg/l in 1967 to 5,700 mg/l in 1981, indicating probable northward or northwestward movement of salty water from the vincinity of this well.

In the New Orleans area, water levels in most wells in the Gonzales-New Orleans aquifer continued the rising trend that began in 1974. This year, levels in most observation wells were 1 to 8 feet higher than at comparable times last year. Levels in wells in the Norco and Gramercy aquifers were 1 to 6 feet lower than at comparable times last year.

In the Florida Parishes, water levels in the shallow sands (Upper and Lower Ponchatoula and Big Branch aquifers) showed little net change during 1981. In wells in the intermediate sands (Abita, Covington, Kentwood, Slidell, and Tchefuncta aquifers) and in the deep sands (Amite, Hammond, Ramsay, and Franklinton aquifers), water levels declined 2 to 6 feet since last year.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of metric units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often grouped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials. NOTE: The letter "K" preceding a value indicates the results are based on colony count outside the ideal range.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies within 24 hours when incubated at 35°C ± 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all the organisms that produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on MFC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies with 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (STORET CODE 31679), or on KF agar (STORET CODE 31673). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry-mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic meter), and periphyton and benthic organisms in g/m^2 (grams per square meter).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as for ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Recoverable from bottom material refers to the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Cells/volume refers to the number of cells on any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

Where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Diversity-index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution area, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water.

Elutriate is the supernatant resulting from the vigorous 30-minute shaking of 1 part bottom sediment with 4 parts water from the proposed disposal site followed by 1 hour of letting the mixture settle and appropriate filtration or centrifugation.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface-drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface datum (LSD) is a datum plane that is approximately at land surface at each well.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram (Mg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per kilogram (Mg/kg) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (kilogram) of sediment.

Micrograms per liter (Mg/L) is a unit expressing the concentration of chemical constituents in solution. Micrograms per liter represent the mass of solute per unit volume (liter) of water.

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024 - 0.004	Sedimentation.
Silt..........	.004 - .062	Sedimentation.
Sand..........	.062 - 2.0	Sedimentation or sieve.
Gravel........	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass or volume.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

Insecticides are substances or a mixture of substances intended to prevent, destroy, or repel insects. The technical names for insecticides determined in this report are:

Aldrin 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-endo, exo-1,4:5,8-dimethanonaphthalene.
Chlordane 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan.
DDD (combination of ortho and para isomers)
o,p'-DDD 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,
p,p'-DDD 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane.
DDE (combination of ortho and para isomers)
o,p'-DDE 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene,
p,p'-DDE 1,1-dichloro-2-bis(p-chlorophenyl)ethylene.
DDT (combination of ortho and para isomers)
o,p'-DDT 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,
p,p'-DDT 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.
Diazinon 0,0-diethyl 0-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate.
Dieldrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,exo-1,4:5,8-dimethanonaphthalene.
Endosulfan 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.
Endrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanonaphthalene.
Ethion 0,0,0',0'-tetraethyl S,S'methylenediphosphorodithioate.
Heptachlor 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene.
Heptachlor epoxide 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan.
Lindane 1,2,3,4,5,6-hexachlorocyclohexane, 99 percent or more of gamma-isomer.
Malathion S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.
Methyl parathion 0,0-dimethyl 0-p-nitrophenyl phosphorothioate.
Methyl trithion phosphorodithioic acid S-[[(4-chlorophenyl) thio]-methyl] 0,0-dimethyl ester.
Methoxychlor 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane.
Mirex 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene.
Parathion 0,0-diethyl 0-p-nitrophenyl phosphorothioate.
Perthane 1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].
Toxaphene chlorinated camphene containing 67-69 percent chlorine by weight.
Trithion phosphorodithioic acid S-[[(4-chlorophenyl)thio] methyl] 0,0-diethyl ester.

Herbicides are substances or a mixture of substances intended to control or destroy any vegetation. The technical names for herbicides determined in this report are:

2,4-D (2,4-dichlorophenoxy)acetic acid.
2,4,5-T (2,4,5-trichlorophenoxy)acetic acid.
Silvex 2-(2,4,5-trichlorophenoxy)propionic acid.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.2 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated napthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated napthalene compounds having various percentages of chlorine.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mean concentration times 0.0027.

Suspended-sediment load is the quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour period.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplified the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S.G.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer membrane filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less that 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour period.

Total refers to the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sedimemt mixture and that the analytical method determines all of the constituent in the sample.)

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mean concentration of the constituent, times the factor 0.0027, times the number of days.

Total recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion precedures are likely to produce different analytical results.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	Hexagenia
Species	Hexagenia limbata

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to State annual basic-data reports published before 1975; since 1975, abbreviated as WDR (Water-Data Report).

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 02489500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6-digit downstream order number "489500". Records in this report, in three volumes, are in Part 2 (South Atlantic Slope and Eastern Gulf of Mexico basin), Part 7 (Lower Mississippi River basin) and Part 8 (Western Gulf of Mexico basin).

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1, following. In Louisiana, wells are further identified by a local well number that consists of a letter code that identifies the parish (county) in which the well is located, followed by a serial number assigned when the well was inventoried.

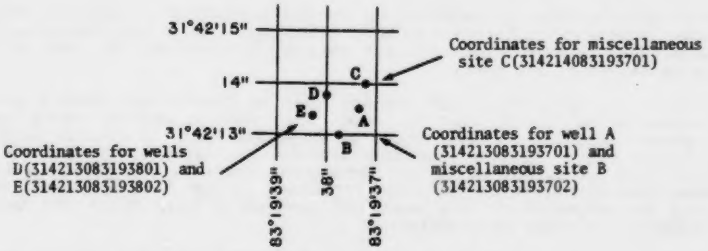

31°42'15"
14"
31°42'13"
Coordinates for miscellaneous site C(314214083193701)
C
D
E
A
B
Coordinates for well A (314213083193701) and miscellaneous site B (314213083193702)
Coordinates for wells D(314213083193801) and E(314213083193802)
83°19'39"
38"
83°19'37"

Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data-collection network designated by the U.S. Geological Survey to meet many of the demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge for streams or canals; and stage, surface area, and contents for lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph or a tape punched at selected time intervals of the stage fluctuations . Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard text-books, in Water-Supply Paper 888, and in the U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

For a reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations, there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily mean discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily mean discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River milage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which the figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revisions, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of report.

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE". National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS."

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow at the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than five complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for the month. Discharge for the month also may by expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 in. In the yearly summary below the monthly summary, the figures shown are the discharges for the calendar and water years.

Footnotes to the table of daily mean discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in three tables. The first is a table of annual maximum stage and discharge at crest-stage stations, the second is a table of discharge measurements at miscellaneous sites, and the third is a table of peak elevations at flood-profile partial-record stations.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily mean discharges are within 5 percent; "good", within 10 percent; and "fair" within 15 percent. "Poor" means that daily mean discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effect of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also, most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of Discharge Collected by Agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected during the water year at sites in Louisiana by the Corps of Engineers, U.S. Army. The National Water Data Exchange, Water Resources Division, U.S. Geological Survey, National Center, Reston, VA 22092, maintains an index of such sites. Information on records available at specific sites can be obtained upon request.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives periods of record for the various types of water-quality data (chemical, specific conductance, water temperatures, sediment discharge), extremes of pertinent data, and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling, and geologic unit (aquifer) are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of alkalinity in the laboratory.

For chemical-quality stations equipped with digital recorders and monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharge.

At stations where recording instruments are used, either mean temperatures or maximum and minimim temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers or point samplers. Samples usually are obtained along several vertical lines in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements for the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the Data

Ground-water-level data from the State network of observation wells are published herein. This basic network contains observation wells so located that significant areal data are obtained from the most important aquifers.

Each well is identified by (1) a 15-digit number that is based on latitude and longitude and (2) a local well number that identifies the well within an individual parish (county). See figure 1.

Measurements are made in many types of wells, under varying conditions of access, depth to water, temperature; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (LSD). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 (NGVD) is given in the well description. Altitudes with zeros in the tenths and hundredths columns are interpolated from topographic maps and are generally accurate only to about 1-5 feet. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equiped with recording gages are reported for every fifth day, the end of each month, and for dates when check measurements were made.

Water levels are reported to as many signifigant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or to the nearest foot. In the computer format used in this report, zeros shown in the hundredths column generally indicate measurements accurate only to tenths.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

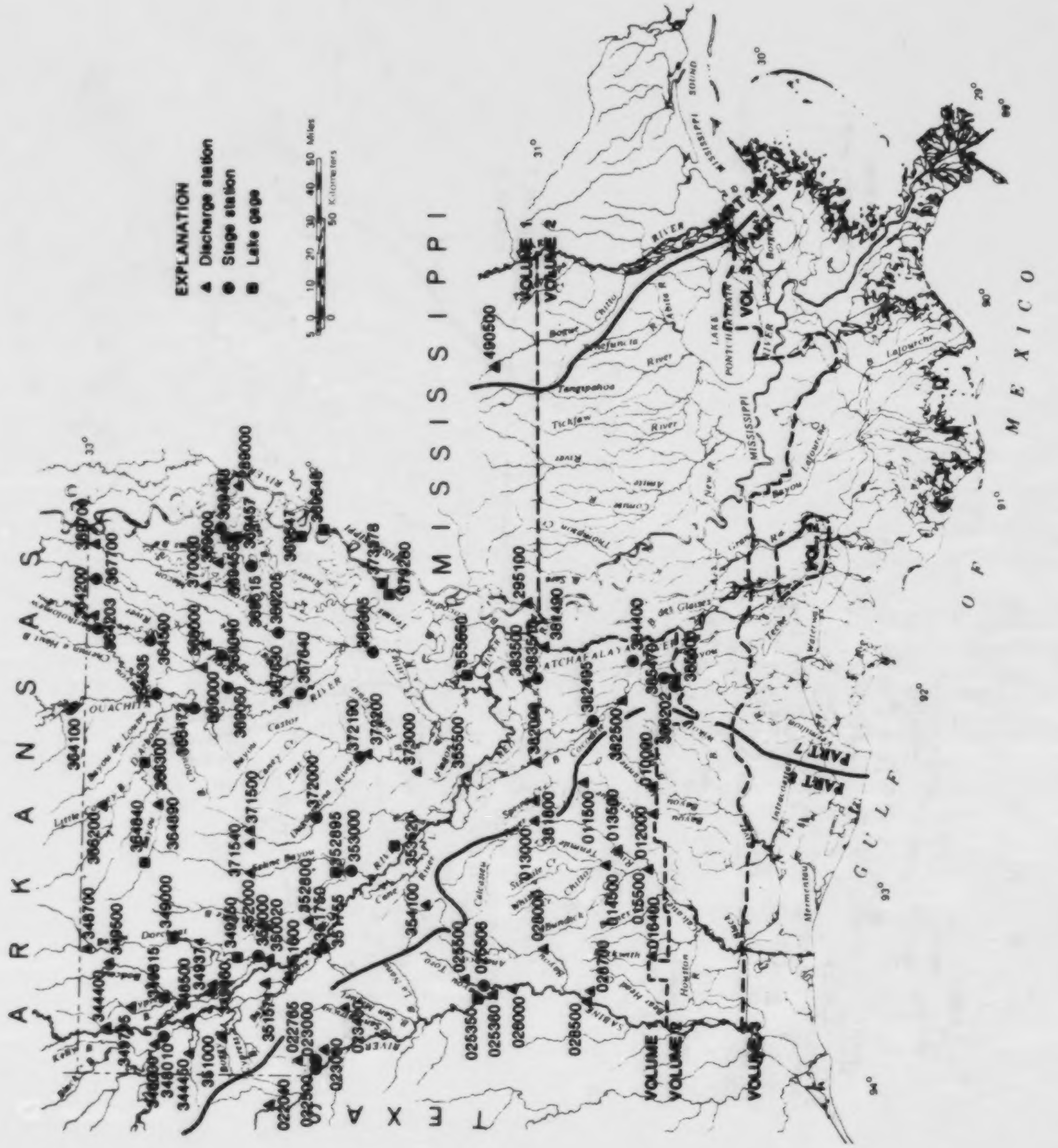

EXPLANATION
▲ Discharge station
● Stage station
■ Lake gage
0 10 20 30 40 50 Miles
0 10 20 30 40 50 Kilometers
A R K A N S A S
T E X A S
M I S S I S S I P P I
G U L F O F M E X I C O
VOLUME 1
VOLUME 2
VOLUME 3
PART 7
PART 8
33°
31°
30°
29°
94°
93°
92°
91°
90°
89°

Figure 2.--Location of continuous gaging stations.

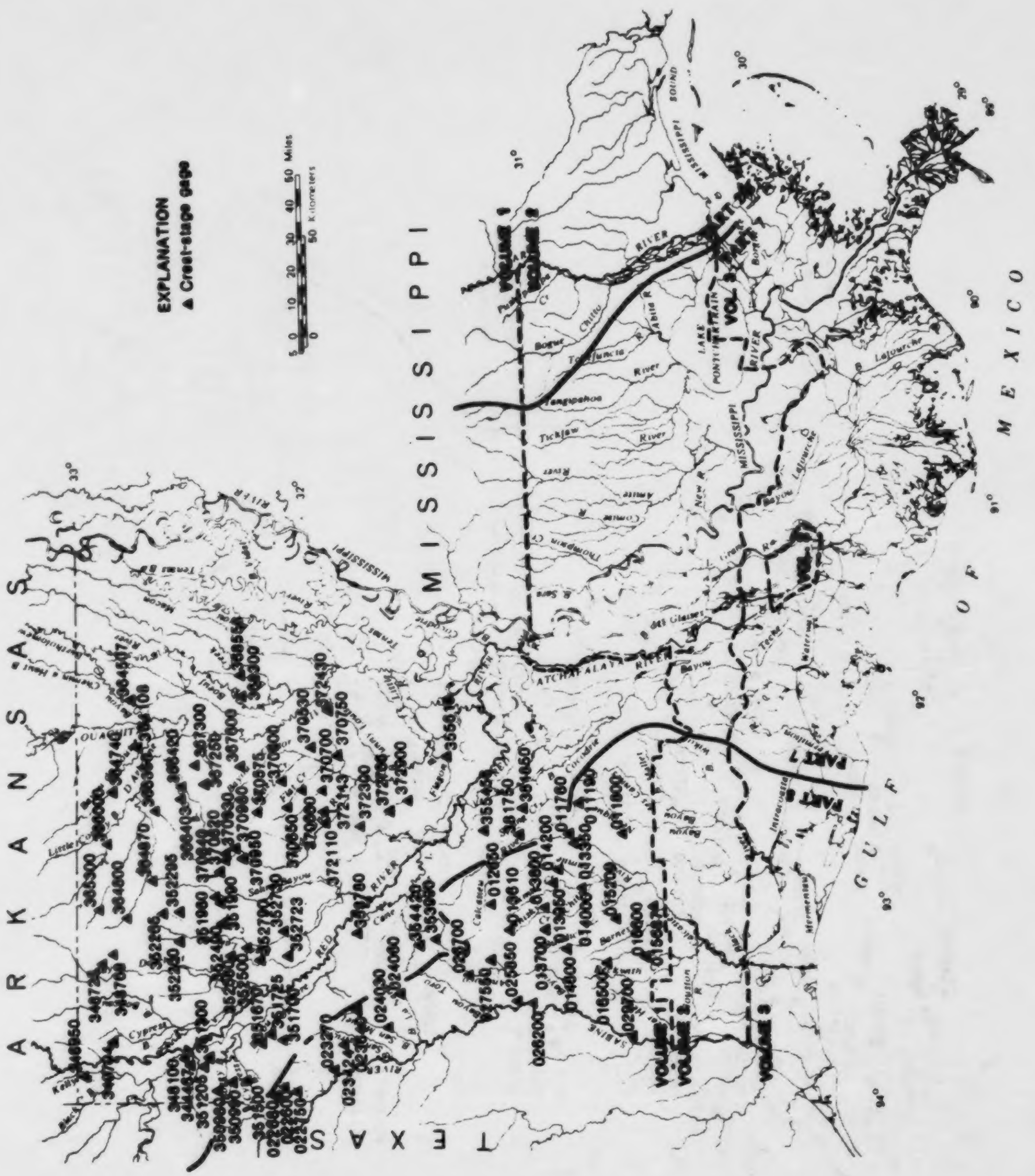

EXPLANATION
▲ Crest-stage gage
0 10 20 30 40 50 Miles
0 10 20 30 40 50 Kilometers
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
VOLUME 3
PART 7
PART 8
MISSISSIPPI RIVER
ATCHAFALAYA RIVER
RED RIVER
SABINE
LAKE PONTCHARTRAIN
33°
32°
31°
30°
29°
94°
93°
92°
91°
90°
89°

Figure 3.--Location of crest-stage stations.

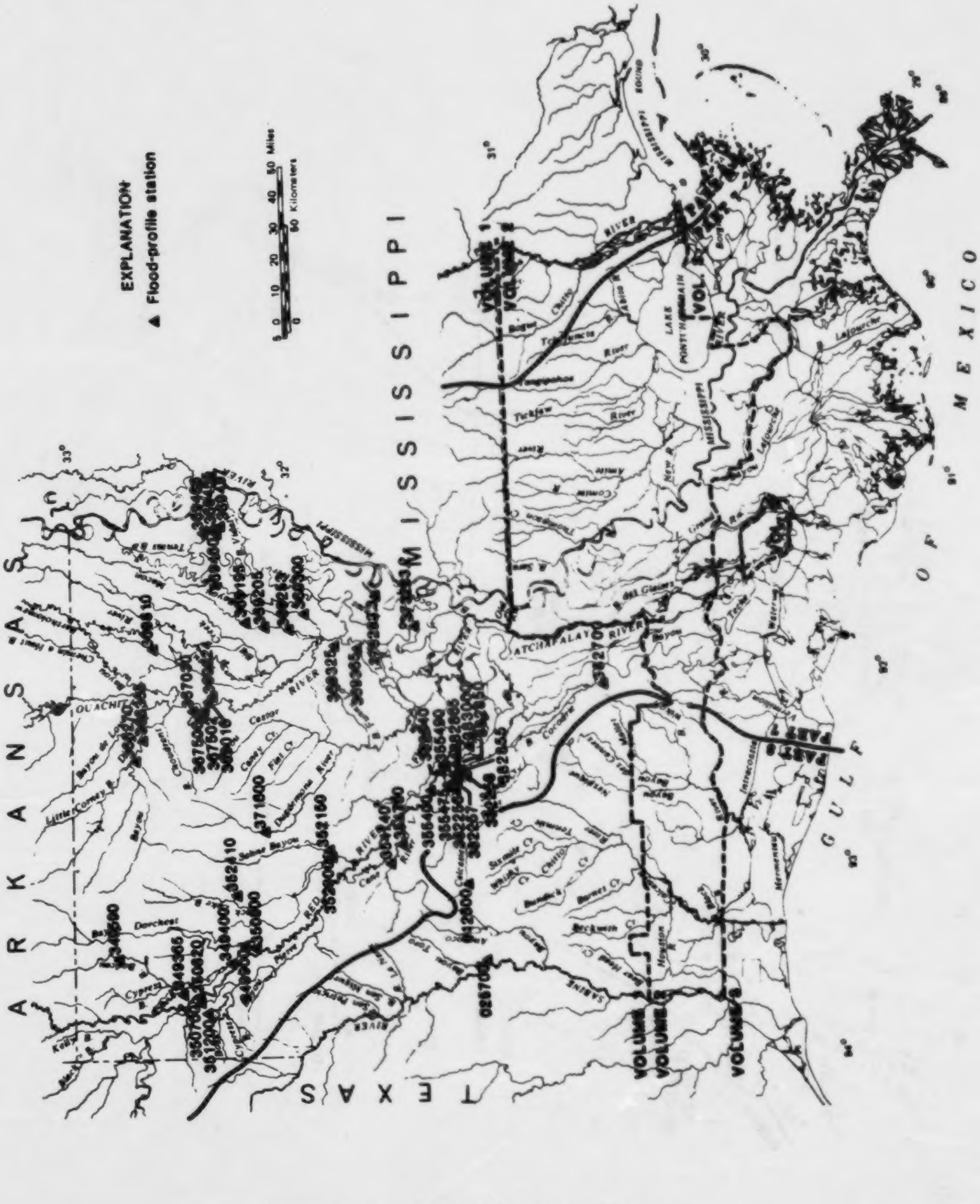

EXPLANATION
▲ Flood-profile station
0 10 20 30 40 50 Miles
0 50 Kilometers
A R K A N S A S
M I S S I S S I P P I
T E X A S
G U L F O F M E X I C O
OUACHITA RIVER
RED RIVER
ATCHAFALAYA RIVER
MISSISSIPPI RIVER
SABINE RIVER
LAKE PONTCHARTRAIN
VOLUME 1
VOLUME 2
VOLUME 3
PART 1
PART 2
33°
32°
31°
30°
29°

Figure 4.--Location of flood-profile stations.

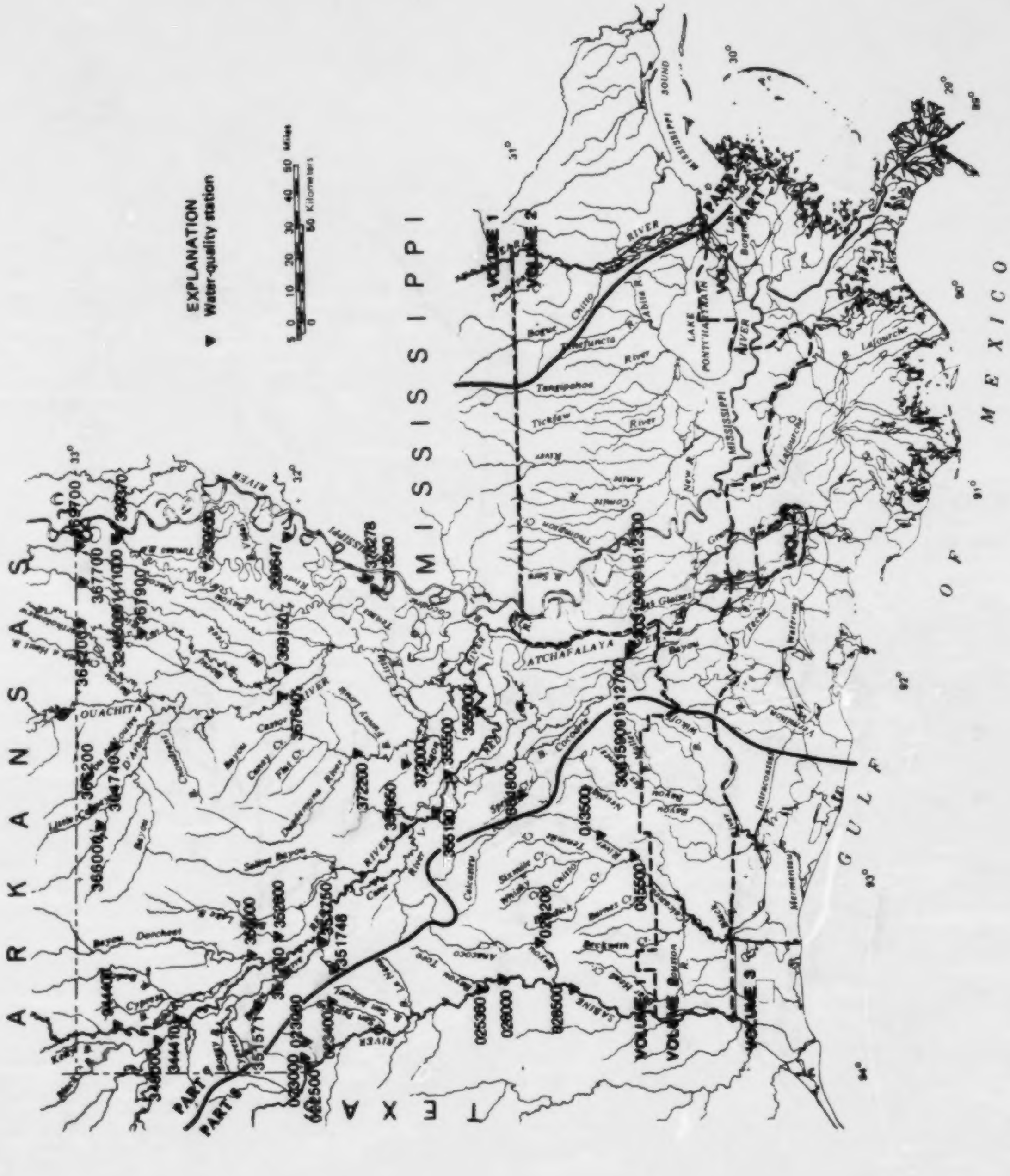

ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
EXPLANATION
▼ Water-quality station
0 10 20 30 40 50 Miles
0 50 Kilometers
OUACHITA
ATCHAFALAYA
LAKE PONTCHARTRAIN
MISSISSIPPI RIVER
MISSISSIPPI SOUND
SABINE
VOLUME 1
VOLUME 2
VOLUME 3
PART 6
33°
32°
31°
30°
29°
94°
93°
92°
91°
90°
89°

Figure 5.--Location of water-quality stations.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, Hydrologic Unit 08060100, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi (2.4 km) downstream from Yazoo diversion canal, and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,136,500 mi^2 (2,943,500 km^2), approximately. The 4,000 mi^2 (10,400 km^2), approximately, in the Great Divide basin in southern Wyoming is not included.

PERIOD OF RECORD.--Discharge: January 1928 to September 1980 (see NOTE). Prior to July 1931, monthly discharge only, in WSP 1311. Gage heights: April 1930 to September 1980 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30 ft or 9.14 m only, since December 1949), and since September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 mi (1.8 km) upstream in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage intermittent 1828-71 and continuous since 1871; extremes of discharge for various years, 1858, to 1926 and continuous since 1926; annual mean discharges since 1871, and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WSP 747: Drainage area.

GAGE.--Water-stage recorder (bridge gage) maintained by the Geological Survey. Supplementary water-stage recorder on left bank at site 1.1 mi (1.8 km) upstream maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers datum) or 46.16 ft (14.070 m) above mean Gulf level. See WRD LA-1969 or WRD MS-1973 for history of changes prior to water year 1970 and for history of gages used by the various data-collecting agencies. All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--52 years (water years 1929-80), 576,500 ft^3/s (16,330 m^3/s), 417,700,000 acre-ft/yr (515 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,080,000 ft^3/s (58,900 m^3/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft^3/s (2,820 m^3/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1871, 58.4 ft or 17.80 m (Corps of Engineers gage on Yazoo diversion canal) approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

EXTREMES FOR CURRENT YEAR.--Water year 1980: Maximum daily discharge, 1,370,000 ft^3/s (38,800 m^3/s) Apr. 11, 12; minimum daily, 286,000 ft^3/s (8,100 m^3/s) Aug. 11.

NOTE.--Records for the 1981 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	719000	371000	722000	670000	685000	490000	1220000	1110000	642000	500000	338000	450000
2	721000	371000	752000	698000	680000	520000	1240000	1050000	640000	470000	335000	454000
3	721000	371000	799000	730000	660000	543000	1260000	1000000	620000	450000	328000	438000
4	716000	376000	834000	767000	600000	562000	1270000	950000	581000	435000	322000	420000
5	706000	386000	877000	775000	578000	579000	1280000	863000	550000	432000	320000	400000
6	696000	388000	922000	781000	550000	590000	1300000	825000	518000	430000	318000	365000
7	679000	391000	945000	784000	525000	602000	1310000	779000	495000	425000	316000	310000
8	662000	407000	953000	780000	504000	595000	1320000	735000	478000	428000	313000	298000
9	649000	427000	951000	768000	496000	550000	1340000	687000	471000	440000	310000	300000
10	631000	475000	944000	740000	475000	511000	1360000	662000	490000	445000	300000	310000
11	610000	515000	905000	700000	451000	520000	1370000	630000	545000	449000	286000	322000
12	595000	551000	859000	660000	442000	539000	1370000	601000	579000	435000	290000	331000
13	580000	568000	810000	600000	435000	561000	1360000	575000	625000	418000	305000	342000
14	559000	570000	744000	590000	420000	593000	1360000	545000	642000	401000	318000	350000
15	540000	572000	691000	564000	400000	625000	1320000	522000	648000	395000	327000	360000
16	524000	580000	650000	570000	398000	672000	1290000	498000	650000	388000	320000	350000
17	519000	580000	629000	572000	392000	793000	1260000	472000	645000	385000	315000	335000
18	514000	580000	630000	578000	390000	835000	1260000	459000	642000	383000	312000	322000
19	512000	581000	641000	581000	389000	880000	1250000	450000	640000	398000	320000	308000
20	511000	582000	660000	590000	392000	915000	1240000	454000	627000	405000	330000	298000
21	509000	585000	682000	605000	398000	937000	1240000	459000	608000	420000	348000	292000
22	507000	590000	699000	625000	400000	960000	1250000	470000	595000	429000	361000	289000
23	501000	599000	698000	643000	420000	984000	1260000	488000	577000	428000	382000	290000
24	492000	610000	691000	670000	430000	1010000	1280000	555000	575000	427000	398000	295000
25	487000	628000	684000	696000	444000	1040000	1280000	650000	570000	426000	413000	299000
26	473000	651000	674000	698000	450000	1060000	1270000	679000	578000	400000	422000	301000
27	461000	668000	665000	693000	459000	1090000	1230000	687000	580000	355000	425000	305000
28	439000	678000	656000	667000	462000	1110000	1190000	685000	570000	327000	430000	310000
29	415000	689000	646000	665000	469000	1140000	1170000	680000	550000	325000	439000	312000
30	395000	697000	640000	670000	---	1180000	1140000	648000	528000	328000	442000	315000
31	379000	---	644000	680000	---	1210000	---	645000	---	330000	445000	---
TOTAL	17422000	16037000	23297000	20810000	13794000	24196000	38290000	20513000	17459000	12707000	10828000	10071000
MEAN	562000	534600	751500	671300	475700	780500	1276000	661700	582000	409900	349300	335700
MAX	721000	697000	953000	784000	685000	1210000	1370000	1110000	650000	500000	445000	454000
MIN	379000	371000	629000	564000	389000	490000	1140000	450000	471000	325000	286000	289000
AC-FT	34560000	31810000	46210000	41280000	27360000	47990000	75950000	40690000	34630000	25200000	21480000	19980000

CAL YR 1979 TOTAL 311553000 MEAN 853600 MAX 1690000 MIN 371000 AC-FT 618000000
WTR YR 1980 TOTAL 225424000 MEAN 615900 MAX 1370000 MIN 286000 AC-FT 447100000

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.10	13.00	25.30	22.80	22.70	16.30	37.60	36.80	23.00	18.70	11.40	16.80
2	25.40	12.60	26.50	23.80	22.20	16.70	38.00	35.90	22.80	17.70	11.60	16.60
3	25.50	12.40	27.90	24.60	21.50	17.70	38.40	34.80	22.30	17.00	11.40	16.00
4	25.30	12.50	28.80	25.30	20.50	18.50	38.80	33.50	21.60	16.50	10.80	15.00
5	25.00	12.60	29.50	25.80	19.30	19.00	39.00	31.70	20.60	16.10	9.90	13.70
6	24.60	12.50	30.20	25.80	18.30	19.50	39.20	29.90	19.40	16.10	9.50	12.40
7	24.00	12.50	30.50	25.80	17.40	19.40	39.40	28.60	18.20	16.10	9.50	11.00
8	23.40	13.00	30.60	25.60	16.50	19.00	39.50	27.00	17.20	15.90	9.90	9.90
9	23.00	14.20	30.60	24.90	16.00	18.00	39.60	25.60	16.60	15.90	10.00	9.40
10	22.50	15.60	30.30	24.00	15.90	17.00	39.70	24.50	17.00	16.10	9.60	9.50
11	22.00	16.50	29.70	23.00	15.50	16.20	39.80	23.50	18.20	16.20	9.00	10.00
12	21.40	18.00	28.70	22.10	14.80	16.30	40.00	22.50	20.00	15.90	8.80	10.50
13	20.80	18.70	27.80	21.20	14.00	17.30	40.30	21.30	21.40	15.40	9.00	11.00
14	20.10	19.50	26.60	20.30	13.30	19.20	40.50	20.00	22.40	14.70	9.50	11.50
15	19.40	19.80	25.50	19.70	12.90	20.50	40.40	18.80	22.90	14.10	9.90	11.70
16	18.50	20.00	24.50	19.10	12.60	22.20	40.20	17.90	22.90	13.50	10.10	11.70
17	18.10	20.30	23.30	18.80	12.40	22.90	39.90	17.40	22.70	13.20	10.10	11.30
18	17.70	20.40	22.30	18.80	12.20	26.10	39.60	17.00	22.50	13.30	10.00	10.70
19	17.40	20.60	21.80	19.50	12.20	27.30	39.30	16.90	21.90	13.70	10.00	10.00
20	17.30	20.50	22.10	20.20	12.30	28.40	39.00	17.10	21.60	14.10	10.10	9.40
21	17.40	20.50	22.40	20.70	12.50	29.40	38.90	17.10	21.30	14.60	10.90	8.40
22	17.50	20.40	22.70	21.30	13.00	30.20	38.80	17.50	21.00	15.10	12.00	8.80
23	17.70	20.50	23.20	22.30	13.50	30.90	38.60	18.20	20.70	15.60	13.00	8.80
24	17.60	21.30	23.50	22.70	14.00	31.60	38.60	19.40	20.50	15.50	13.70	8.90
25	17.40	22.00	23.40	23.00	14.70	32.20	38.40	21.10	20.60	15.30	14.10	9.00
26	17.00	22.50	23.20	23.00	15.20	33.00	38.60	22.70	20.60	14.20	14.40	9.20
27	16.10	22.60	22.80	22.90	15.60	33.80	38.40	23.40	20.70	13.00	14.90	9.30
28	15.30	22.70	22.20	22.70	15.80	35.00	38.30	23.70	20.40	11.60	15.40	9.50
29	14.50	23.00	21.50	22.90	16.00	35.60	37.90	23.60	20.00	10.90	16.10	9.70
30	13.90	23.90	21.20	23.00	---	36.50	37.40	23.30	19.30	10.60	16.50	10.00
31	13.50	---	21.80	23.00	---	37.10	---	23.10	---	11.00	16.80	---
MEAN	19.82	18.15	25.50	22.54	15.61	24.61	39.07	23.67	20.68	14.76	11.55	10.99
MAX	25.50	23.90	30.60	25.80	22.70	37.10	40.50	36.80	23.00	18.70	16.80	16.80
MIN	13.50	12.40	21.20	18.80	12.20	16.20	37.40	16.90	16.60	10.60	8.80	8.40

07344400 RED RIVER NEAR HOSSTON, LA

LOCATION.--Lat 32°53'35", long 93°49'20", in SE1/4SW1/4 sec.16, T.22 N., R.14 W., Bossier-Caddo Parish line, Hydrologic Unit 11140202, near left bank on downstream side of bridge on State Highway 2, 1.8 mi (2.9 km) downstream from Dry Bayou, and 3.2 mi (5.1 km) east of Hosston.

DRAINAGE AREA.--57,041 mi^2 (147,736 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (daily gage heights and discharges below 5,000 ft^3/s or 142 m^3/s only).

GAGE.--Nonrecording gage read once daily. Datum of gage is 161.56 ft (49.243 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Feb. 20, 1962, water-stage recorder at same site and datum.

REMARKS.--Records good. Regulation since July 1942 by Lake Texoma (capacity, 5,392,000 acre-ft or 6.65 km^3), since July 1953 by Texarkana Reservoir (capacity, 2,654,300 acre-ft or 3.27 km^3), and since August 1966 by Millwood Lake (capacity, 1,854,900 acre-ft or 2.29 km^3).

AVERAGE DISCHARGE.--11 years (water years 1958-68), 17,920 ft^3/s (507 m^3/s), 12,980,000 acre-ft/yr (16.0 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 214,00 ft^3/s (6,060 m^3/s) May 7, 1958, gage height, 27.89 ft (8.501 m); minimum daily, 803 ft^3/s (22.7 m^3/s) Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.78 ft (5.724 m) June 9; minimum discharge, 2,430 ft^3/s (68.8 m^3/s) Feb. 2, gage height, 1.57 ft (0.479 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---		---	2480		---				---	---
2		---		---	2470		---				---	---
3		---		---	2720		---				---	---
4		---		---	---		---				---	---
5		---		---	---		---				---	---
6		---		---	---		---				---	---
7		---		3440	---		---				---	---
8		---		3080	---		---				---	---
9		---		3090	---		---				---	---
10		---		2810	4740		---				---	---
11		4340		3100	3740		---				---	---
12		3650		2900	3280		---				---	---
13		3450		2720	---		4810				---	---
14		3610		2860	---		4720				---	4040
15		3560		2770	---		4180				---	3890
16		3540		2750	---		3780				4630	3500
17		3660		2680	---		3420				4000	3580
18		4200		2740	---		3020				3830	3480
19		---		2590	---		2770				4100	3400
20		---		2500	---		2790				4520	3760
21		---		2570	---		2720				4850	4420
22		---		2740	---		3360				4960	4630
23		---		2720	---		3830				---	4540
24		---		2720	---		3620				4420	4420
25		---		2840	---		3720				4080	3900
26		---		2720	---		---				3780	3780
27		---		2570	---		---				3500	3620
28		---		2480	---		---				4420	3180
29		---		2560	---		---				---	3360
30		---		2560	---		---				---	3640
31		---		2570	---		---				---	---
TOTAL		---		---	---		---				---	---
MEAN		---		---	---		---				---	---
MAX		---		---	---		---				---	---
MIN		3540		2480	2470		2720				3500	3180

07344400 RED RIVER NEAR HOSSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.99	6.73	2.85	3.99	1.60	4.66	5.50	4.97	10.53	10.47	4.18	4.20
2	8.00	7.65	3.41	3.93	1.59	4.50	6.00	5.00	10.65	9.60	4.03	4.40
3	10.92	7.53	3.58	3.82	1.73	4.36	6.00	4.53	11.07	9.14	3.87	4.65
4	11.24	7.24	3.50	3.82	3.56	4.37	---	4.03	11.89	8.93	4.05	5.14
5	10.96	6.80	3.42	3.64	4.26	4.54	---	3.78	12.83	9.10	4.20	5.24
6	9.85	5.64	---	3.30	---	8.32	4.65	3.68	14.80	9.68	4.26	5.03
7	8.66	5.00	---	2.10	---	10.21	4.41	4.42	16.70	11.40	3.87	4.96
8	8.45	4.93	3.41	1.92	---	11.10	4.12	4.93	18.16	11.97	3.65	5.20
9	8.46	4.20	3.36	1.95	2.91	11.75	3.51	5.37	18.75	11.58	3.55	5.20
10	7.05	2.70	3.25	1.78	2.72	11.39	3.37	5.50	18.42	11.53	3.33	4.29
11	5.56	2.05	4.63	1.93	2.25	10.80	3.31	5.38	17.64	11.83	3.45	3.45
12	5.13	1.70	7.66	1.83	2.02	10.25	2.89	6.09	17.14	11.65	3.81	3.15
13	4.95	1.59	10.00	1.73	3.35	9.75	2.66	7.53	17.05	11.15	3.77	2.67
14	4.56	1.68	10.91	1.81	4.79	8.83	2.62	9.40	16.96	10.75	3.51	2.60
15	4.30	1.65	10.72	1.76	5.20	7.87	2.37	11.35	16.85	10.58	3.26	2.53
16	4.18	1.64	10.18	1.75	5.55	7.12	2.18	11.45	16.74	10.19	2.95	2.41
17	3.58	1.71	9.91	1.71	5.92	6.82	2.00	11.43	16.65	10.15	2.65	2.45
18	3.46	1.98	9.45	1.74	6.10	6.71	1.80	12.20	16.95	9.13	2.57	2.40
19	3.28	3.55	8.96	1.66	6.15	6.50	1.67	12.43	17.23	7.95	2.70	2.36
20	3.06	4.86	8.18	1.61	6.02	4.88	1.68	12.09	16.99	6.38	2.90	2.54
21	3.12	4.72	7.74	1.65	5.70	4.60	1.66	11.53	16.36	6.32	3.05	2.85
22	3.25	4.68	7.53	1.74	4.79	4.66	1.97	10.71	15.85	5.80	3.10	2.95
23	4.15	4.58	7.32	1.73	3.43	4.53	2.20	9.74	15.85	5.54	3.20	2.91
24	5.18	4.51	7.08	1.73	3.25	4.43	2.10	8.60	14.77	5.64	2.85	2.85
25	5.42	---	6.92	1.80	3.10	4.20	2.15	7.13	14.23	5.69	2.69	2.63
26	5.65	---	6.70	1.73	4.46	4.05	2.80	7.20	14.78	5.55	2.55	2.55
27	5.63	---	5.06	1.65	4.90	3.95	3.88	7.55	13.55	5.30	2.41	2.47
28	5.57	4.00	4.57	1.60	4.80	3.75	4.55	8.20	12.10	5.26	2.85	2.25
29	5.68	3.89	4.43	1.64	---	3.54	4.63	9.00	11.34	4.87	3.56	2.34
30	5.78	3.25	4.34	1.64	---	3.41	4.70	9.85	10.72	4.53	4.02	2.48
31	5.76	---	4.15	1.65	---	3.52	---	10.25	---	4.35	4.01	---
MEAN	5.96	---	---	2.14	---	6.43	---	7.91	15.12	8.45	3.38	3.37
MAX	11.24	7.65	10.91	3.99	6.15	11.75	---	12.43	18.75	11.97	4.26	5.24
MIN	3.06	1.64	2.85	1.60	1.59	3.41	1.66	3.68	10.53	4.35	2.41	2.25

07344400 RED RIVER NEAR HOSSTON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1957 to current year.
WATER TEMPERATURES: March 1957 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,030 micromhos June 24, 1978; minimum daily, 124 micromhos Apr. 24, 1979.
WATER TEMPERATURES: Maximum daily, 34.0°C July 12, 13, 21, 1969; minimum daily, 0.0°C Feb. 8, 1978.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,210 micromhos Aug. 13, 14; minimum daily, 174 micromhos Oct. 8, May 18.
WATER TEMPERATURES: Maximum daily, 31.0°C Aug. 16, 17; minimum daily, 5.0°C Feb. 14.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	535	737	712	908	---	932	633	392	588	807	803
2	580	---	800	718	---	489	867	415	282	550	859	875
3	373	418	800	853	1080	433	743	---	257	543	894	902
4	310	354	821	---	812	559	---	551	414	525	907	946
5	---	363	730	934	582	388	665	566	341	---	955	749
6	203	322	---	847	631	423	628	557	458	522	1020	599
7	183	347	---	782	732	428	531	832	---	673	1200	809
8	174	414	724	728	---	---	408	1020	590	440	1180	931
9	179	---	611	697	711	281	342	871	639	389	1180	1060
10	176	535	516	726	733	311	322	---	654	429	1140	1120
11	186	517	506	---	710	220	360	616	611	430	1170	1070
12	---	500	288	698	679	204	---	532	572	---	1170	1000
13	225	502	---	839	845	277	663	411	516	246	1210	924
14	246	504	232	1000	714	373	829	459	---	---	1210	1060
15	270	511	348	936	---	---	832	561	656	---	1160	1160
16	276	---	227	982	616	388	795	285	672	---	1030	1180
17	275	273	231	996	501	360	740	---	674	893	842	1120
18	302	279	246	---	386	358	779	174	558	837	715	1080
19	---	---	261	928	412	420	---	232	558	786	657	1140
20	397	305	289	994	657	426	807	291	570	---	804	1130
21	407	292	---	936	586	455	777	316	---	848	838	1110
22	440	302	339	889	---	---	836	314	506	831	808	1060
23	472	---	372	947	452	530	1060	313	404	852	1060	1010
24	633	409	402	879	499	524	800	---	434	991	1190	957
25	666	---	---	---	456	493	668	433	446	988	1160	873
26	---	---	236	1120	433	636	---	424	499	944	1130	792
27	350	---	235	1090	428	743	563	420	547	---	1120	756
28	268	660	---	1060	507	1190	392	626	---	886	1150	748
29	242	908	414	980	---	---	522	548	682	1100	1090	776
30	244	---	364	915	---	1130	630	536	625	1190	860	781
31	317	---	464	960	---	1050	---	---	---	---	766	---
MAX	666	908	821	1120	1080	1190	1060	1020	682	1190	1210	1180
MIN	174	273	227	697	386	204	322	174	257	246	657	599

07344400 RED RIVER NEAR HOSSTON, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---		---	---	22.0	---	22.0	---	30.0	27.5
2	20.5	---	---		---	14.5	---	23.0	---	26.5	30.5	27.0
3	---	15.0	---		---	---	---	---	21.0	26.5	30.0	27.0
4	20.0	---	---		---	---	---	---	23.5	---	30.0	26.0
5	---	---	---		5.5	---	---	---	---	---	30.5	26.0
6	---	---	---		---	---	---	---	---	---	30.5	26.0
7	19.5	---	---		---	---	---	---	---	---	30.5	26.5
8	19.5	18.0	---		---	---	---	---	---	---	30.5	27.0
9	---	---	---		---	---	---	---	---	27.0	29.0	26.5
10	21.0	19.5	11.5		---	13.0	---	---	24.5	27.0	29.5	26.0
11	21.0	---	---		---	13.5	---	18.5	---	29.5	29.0	25.0
12	---	---	---		---	14.5	---	---	26.5	---	29.0	26.5
13	20.0	---	---		---	---	23.5	---	---	---	30.0	26.5
14	20.0	---	---		5.0	16.5	---	19.5	---	---	30.0	27.0
15	---	---	10.0		---	---	---	19.5	---	---	30.5	26.0
16	---	---	---		5.5	13.0	23.0	---	---	---	31.0	26.0
17	21.0	---	---		6.5	---	23.0	---	---	---	31.0	25.0
18	---	---	---		---	---	---	---	26.5	---	30.5	23.0
19	---	---	---		6.5	---	---	---	---	---	30.0	22.0
20	20.0	10.0	---		15.0	---	---	---	26.5	---	28.0	21.5
21	---	---	---		---	---	21.5	20.5	---	---	28.5	21.5
22	20.0	---	---		---	---	---	---	---	---	28.0	24.0
23	---	---	---		---	14.5	20.5	20.5	---	---	28.0	24.5
24	---	---	---		---	---	22.0	---	27.0	---	28.0	24.0
25	18.0	---	---		---	---	---	---	---	---	28.0	25.0
26	---	---	6.0		---	---	---	---	---	---	28.0	25.0
27	---	---	6.0		19.0	---	23.5	---	27.0	---	28.0	25.5
28	---	10.0	---		---	---	---	---	---	---	29.0	25.5
29	---	9.5	---		---	---	25.5	---	21.5	---	28.5	26.0
30	---	---	---		---	21.0	---	20.5	23.0	29.0	28.0	26.0
31	---	---	---		---	---	---	---	---	---	28.0	---
MAX	---	---	---		---	---	---	---	---	---	31.0	27.5
MIN	---	---	---		---	---	---	---	---	---	28.0	21.5

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)

LOCATION.--Lat 32°32'57", long 93°45'51", in lot 14, T.18 N., R.14 W., Caddo Parish, Hydrologic Unit 11140202, near right bank, 2.7 mi (4.3 km) northeast of Shreveport Courthouse, 4.9 mi (7.9 km) upstream from mouth of Cross Bayou, 5.4 mi (8.7 km) upstream from gaging station at Illinois Central Railroad bridge at Shreveport (station 07348500), and at mile 282.5 (454.5 km).

DRAINAGE AREA.--57,100 mi^2 (147,890 km^2) approximately, of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1976 to September 1977.
WATER TEMPERATURES: October 1974 to September 1975, October 1976 to September 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,880 micromhos June 5, 6, 1977; minimum daily, 163 micromhos Mar. 17, 1977.
WATER TEMPERATURES: Maximum daily, 32.0°C July 25, 1977; minimum daily, 4.5°C Jan. 19, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.5°C was observed Jan. 15, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT												
15...	1600	245	6.7	21.5	20	5.0	<1.0	10.1	42	4.6	<10	K20
NOV												
13...	0700	525	7.5	16.5	40	35	<1.0	9.2	70	3.2	660	--
DEC												
03...	0715	688	6.8	--	40	20	<1.0	10.7	360	5.2	1100	--
JAN												
15...	0810	855	7.5	8.5	30	9.0	<1.0	12.8	42	6.6	K1100	K280
FEB												
04...	0900	919	7.5	6.5	30	10	<1.0	12.1	17	4.2	2700	410
MAR												
04...	0735	460	6.9	14.0	40	45	<1.0	9.7	32	2.3	1300	1200
APR												
07...	1430	723	7.8	21.0	20	25	<1.0	9.8	29	3.0	380	230
MAY												
13...	1000	625	7.0	22.0	20	60	<1.0	8.2	40	1.4	1800	200
JUN												
09...	1345	592	7.2	26.5	20	220	<1.0	5.0	48	1.3	K300	150
JUL												
15...	0730	207	6.7	29.5	50	70	<1.0	6.0	44	.7	K550	K140
AUG												
05...	1615	1210	8.0	32.0	10	15	<1.0	10.1	81	2.2	K200	K40
SEP												
02...	0725	1030	7.4	26.5	15	10	<1.0	7.3	59	4.4	2900	740

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT												
15...	64	10	20	3.4	54	21	26	9	.13	.02	.15	1.0
NOV												
13...	140	32	43	9.1	113	52	63	60	.16	.02	.18	.94
DEC												
03...	140	52	41	9.9	91	76	110	45	.33	.01	.34	.41
JAN												
15...	240	39	69	16	199	77	100	26	.03	.02	.05	.68
FEB												
04...	230	76	65	17	156	95	130	28	.00	.01	.01	2.9
MAR												
04...	100	52	29	7.8	53	54	68	33	.48	.02	.50	1.4
APR												
07...	150	66	41	11	82	89	120	47	.02	.00	.02	.91
MAY												
13...	130	70	37	9.1	60	73	100	155	.31	.02	.33	1.0
JUN												
09...	140	64	42	8.7	77	71	91	576	.16	.06	.22	.88
JUL												
15...	68	9	21	3.8	59	13	19	187	.15	.02	.17	1.2
AUG												
05...	260	130	70	20	129	140	220	14	.10	.00	.10	.67
SEP												
02...	220	110	61	17	113	110	160	44	.21	.00	.21	.93

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)
OCT 15...	.28	2	1	0	<1	0	<1	0	0	7	5	10
NOV 13...	.10	1	1	0	<1	0	1	0	0	8	8	80
DEC 03...	.13	1	1	0	<1	0	<1	0	0	5	1	60
JAN 15...	.03	0	0	0	<1	0	<1	0	0	5	1	100
FEB 04...	.12	1	1	0	<1	1	<1	0	0	6	3	140
MAR 04...	.15	1	1	0	<1	0	<1	10	0	5	4	110
APR 07...	.16	1	0	0	<1	0	<1	10	0	0	3	50
MAY 13...	.13	1	1	0	1	0	2	10	0	10	3	50
JUN 09...	.53	3	1	0	0	0	0	30	0	16	2	70
JUL 15...	.15	2	2	0	<1	0	<1	10	0	9	5	90
AUG 05...	.11	2	2	0	<1	0	<1	10	0	7	3	<10
SEP 02...	.31	2	1	0	0	0	1	0	0	10	11	30

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 15...	7	2	.0	.0	7	4	0	0	1.0	20	<3	10
NOV 13...	3	1	.1	.0	5	2	0	0	6.0	20	20	12
DEC 03...	4	2	.1	.0	4	1	0	0	--	10	6	8.4
JAN 15...	11	1	.1	.0	4	2	0	0	6.0	20	9	14
FEB 04...	8	2	.1	.2	0	0	0	0	--	10	10	13
MAR 04...	0	1	.3	.1	5	1	7	7	1.0	40	10	11
APR 07...	3	0	.1	.1	4	0	0	0	--	20	7	9.0
MAY 13...	8	3	.1	.0	7	1	0	0	2.0	20	9	11
JUN 09...	12	3	.1	.0	21	1	0	0	3.0	50	10	13
JUL 15...	1	3	.1	.1	8	4	0	0	3.0	30	10	8.7
AUG 05...	0	2	.1	.0	2	0	0	0	--	10	4	9.9
SEP 02...	7	1	.2	.1	1	4	0	0	--	40	40	10

< Actual value is known to be less than the value shown.

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT 15...	.00	0	0	.0	0	.0	0	.000	.0	.0	0	.000
NOV 13...	.00	0	0	.0	--	.0	--	.000	--	.0	--	.000
DEC 03...	.00	0	0	<.1	--	<.1	--	.001	--	<.1	--	<.001
JAN 15...	.00	1	0	--	--	--	--	--	--	--	--	--
FEB 04...	.00	0	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
MAR 04...	.00	4	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
APR 07...	.00	4	0	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001
MAY 13...	.00	3	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
JUN 09...	.00	1	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
JUL 15...	.00	2	0	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001
AUG 05...	.00	0	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
SEP 02...	.01	0	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001

DATE	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT 15...	.9	.000	2.0	.000	.6	.00	.0	.000	.0	.000	.0	.000
NOV 13...	--	.001	--	.000	--	.01	--	.000	--	.000	--	.000
DEC 03...	--	<.001	--	.001	--	.02	--	.001	--	<.001	--	<.001
JAN 15...	--	--	--	--	--	--	--	--	--	--	--	--
FEB 04...	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001
MAR 04...	--	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001
APR 07...	.8	<.001	1.0	<.001	.7	.01	<.1	<.001	<.1	<.001	<.1	<.001
MAY 13...	--	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001
JUN 09...	--	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001
JUL 15...	<.1	<.001	.1	<.001	<.1	.03	<.1	<.001	<.1	<.001	<.1	<.001
AUG 05...	--	<.001	--	<.001	--	.02	--	<.001	--	<.001	--	<.001
SEP 02...	--	<.001	--	<.001	--	.07	--	<.001	--	<.001	--	<.001

< Actual value is known to be less than the value shown.

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)
OCT 15...	.0	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0	.00
NOV 13...	--	.00	--	.000	--	.000	--	.000	--	.00	--	.00
DEC 03...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
JAN 15...	--	--	--	--	--	--	--	--	--	--	--	--
FEB 04...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
MAR 04...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
APR 07...	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01
MAY 13...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
JUN 09...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
JUL 15...	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01
AUG 05...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
SEP 02...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01

DATE	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)
OCT 15...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
NOV 13...	--	.00	--	.00	--	.00	--	.00	--	.00	--	.0
DEC 03...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
JAN 15...	--	--	--	--	--	--	--	--	--	--	--	--
FEB 04...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
MAR 04...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
APR 07...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	.01	<.1	<.01	<.1	<.1
MAY 13...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
JUN 09...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
JUL 15...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
AUG 05...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
SEP 02...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1

< Actual value is known to be less than the value shown.

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT							
15...	0	.00	.0	.01	.00	.00	.00
NOV							
13...	--	.00	--	.03	.00	.00	.00
DEC							
03...	--	<.01	--	.02	.00	.02	.00
FEB							
04...	--	<.01	--	<.01	<.01	<.01	<.01
MAR							
04...	--	<.01	--	.02	<.01	<.01	<.01
APR							
07...	<1	<.01	<.1	.03	<.01	<.01	<.01
MAY							
13...	--	<.01	--	.03	<.01	<.01	<.01
JUN							
09...	--	<.01	--	.10	.05	.02	<.01
JUL							
15...	<1	<.01	<.1	.04	.02	.06	<.01
AUG							
05...	--	<.01	--	.01	<.01	.03	<.01
SEP							
02...	--	<.01	--	.01	<.01	.01	<.01

< Actual value is known to be less than the value shown.

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA

LOCATION.--Lat 32°31'00", long 93°58'20", in SE1/4SW1/4 sec.26, T.18 N., R.16 W., Caddo Parish, Hydrologic Unit 11140304, near center of span on downstream side of bridge on State Highway 169, 1.0 mi (1.6 km) upstream from Cross Lake, 5.1 mi (8.2 km) north of Greenwood, and 11 mi (18 km) west of Shreveport.

DRAINAGE AREA.--80.5 mi^2 (208.5 km^2).

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WDR LA-78-1: Drainage area. WDR LA-79-1: 1957(P), 1958, 1958-62(P), 1964(P), 1966(P), 1969(P), 1973-75(P).

GAGE.--Water-stage recorder. Datum of gage is 170.35 ft (51.923 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--26 years, 64.9 ft^3/s (1.838 m^3/s), 10.95 in/yr (278 mm/yr), 47,020 acre-ft/yr (58.0 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft^3/s (467 m^3/s) Apr. 27, 1958, gage height, 13.84 ft (4.218 m) from rating curve extended above 8,100 ft^3/s (229 m^3/s); no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,200 ft^3/s (34 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	(m^3/s)	Gage height (ft)	(m)
June 6	0430	*6670	189	*11.93	3.636

No flow Oct. 1-16, 18-26, 31, Nov. 1-15, 19, Aug. 11-31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.20	.10	.85	11	14	16	34	1.3	.08	84
2	.00	.00	.14	.09	.37	64	7.6	132	51	1.1	.15	546
3	.00	.00	.08	.09	.09	49	4.7	54	94	.90	.22	686
4	.00	.00	.08	.10	.24	25	3.3	16	315	.80	.15	179
5	.00	.00	.09	.10	1.3	26	4.1	9.9	2850	79	.09	35
6	.00	.00	.11	.39	1.0	22	4.9	13	4090	361	.07	13
7	.00	.00	.13	.43	.85	14	4.0	13	1250	282	.06	6.7
8	.00	.00	.29	.12	.71	8.9	3.2	7.8	713	153	.05	4.2
9	.00	.00	1.3	.10	.71	6.2	2.5	90	135	43	.03	2.8
10	.00	.00	.58	.09	79	4.7	2.1	509	36	17	.02	2.2
11	.00	.00	.32	.08	241	3.8	1.9	949	26	9.3	.00	1.9
12	.00	.00	.19	.06	119	3.1	1.6	583	22	5.9	.00	1.6
13	.00	.00	.12	.08	24	2.6	1.4	67	21	4.1	.00	1.4
14	.00	.00	.12	.10	13	1.3	1.2	28	18	3.1	.00	1.2
15	.00	.00	.11	.08	7.4	.95	.95	20	10	2.7	.00	1.1
16	.00	.14	.12	.06	4.9	2.6	.77	26	5.9	2.1	.00	1.0
17	.22	.95	.11	.05	3.6	2.7	.78	71	5.3	1.3	.00	.82
18	.00	.14	.11	.05	2.9	1.0	.66	57	4.4	.93	.00	.64
19	.00	.00	.10	.08	2.3	1.2	.64	30	3.7	.74	.00	.52
20	.00	1.9	.08	.41	1.7	2.2	.57	20	3.2	.61	.00	.43
21	.00	3.6	.07	.30	.94	1.4	1.1	12	2.8	.53	.00	.35
22	.00	2.1	.08	.18	2.5	1.1	2.6	8.0	2.4	.46	.00	.33
23	.00	1.6	.10	.12	7.3	.76	3.0	6.1	2.2	.38	.00	.26
24	.00	1.0	.11	.10	6.4	.80	4.4	5.3	2.0	.33	.00	.20
25	.00	.59	.10	.10	5.5	.69	4.9	5.4	3.1	.30	.00	.14
26	.00	.75	.10	.08	3.7	.64	2.9	10	3.0	.21	.00	.08
27	2.1	1.1	.09	.08	2.1	.58	1.9	20	2.7	.41	.00	.06
28	.70	.56	.10	.05	1.5	.54	1.4	16	2.1	.29	.00	.05
29	.08	.32	.10	.05	---	1.9	1.0	11	1.7	.17	.00	.04
30	.03	.25	.10	.04	---	31	.95	7.4	1.6	.11	.00	.03
31	.00	---	.10	.05	---	28	---	6.2	---	.09	.00	---
TOTAL	3.13	15.00	5.43	3.81	534.86	319.66	85.02	2819.1	9711.1	973.16	.92	1571.05
MEAN	.10	.50	.18	.12	19.1	10.3	2.83	90.9	324	31.4	.030	52.4
MAX	2.1	3.6	1.3	.43	241	64	14	949	4090	361	.22	686
MIN	.00	.00	.07	.04	.09	.54	.57	5.3	1.6	.09	.00	.03
CFSM	.001	.006	.002	.001	.24	.13	.04	1.13	4.03	.39	.000	.65
IN.	.00	.01	.00	.00	.25	.15	.04	1.30	4.49	.45	.00	.73
AC-FT	6.2	30	11	7.6	1060	634	169	5590	19260	1930	1.8	3120

CAL YR 1980 TOTAL 29512.63 MEAN 80.6 MAX 2360 MIN .00 CFSM 1.00 IN 13.64 AC-FT 58540
WTR YR 1981 TOTAL 16042.24 MEAN 44.0 MAX 4090 MIN .00 CFSM .55 IN 7.41 AC-FT 31820

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	1.12	1.53	1.53	1.62	2.30	2.48	2.37	3.08	1.35	1.05	3.62
2	.52	1.12	1.51	1.53	1.51	4.34	2.16	5.72	3.86	1.31	1.08	7.98
3	.52	1.12	1.48	1.53	1.43	3.88	1.93	3.94	4.93	1.27	1.10	8.41
4	.52	1.12	1.48	1.53	1.45	2.98	1.78	2.58	7.25	1.25	1.08	5.99
5	.52	1.10	1.49	1.53	1.68	3.02	1.86	2.30	10.19	3.66	1.06	3.36
6	.52	1.05	1.50	1.61	1.65	2.85	1.95	2.44	11.08	7.52	1.04	2.43
7	.52	.98	1.51	1.63	1.62	2.50	1.85	2.45	9.38	7.00	1.04	2.05
8	.52	.91	1.57	1.55	1.60	2.28	1.76	2.17	8.44	5.97	1.03	1.81
9	.52	.84	1.75	1.46	1.60	2.11	1.68	4.14	5.47	3.61	1.01	1.64
10	.51	.78	1.65	1.43	4.17	1.99	1.62	7.97	3.39	2.59	.98	1.55
11	.51	.73	1.61	1.42	6.97	1.91	1.58	8.91	2.97	2.19	.90	1.49
12	.51	.66	1.57	1.41	5.25	1.83	1.54	8.05	2.82	1.94	.80	1.45
13	.51	.61	1.55	1.42	2.91	1.77	1.50	4.24	2.75	1.76	.77	1.41
14	.51	.61	1.55	1.43	2.49	1.60	1.47	2.97	2.64	1.63	.76	1.39
15	.51	.60	1.55	1.42	2.25	1.54	1.42	2.64	2.24	1.57	.75	1.38
16	.51	1.07	1.55	1.41	2.10	1.73	1.38	2.86	1.93	1.48	.75	1.36
17	.88	1.52	1.54	1.40	2.00	1.78	1.39	4.54	1.88	1.35	.74	1.32
18	1.05	1.36	1.54	1.40	1.93	1.55	1.36	4.11	1.79	1.28	.74	1.29
19	.82	1.24	1.53	1.42	1.86	1.58	1.36	3.07	1.71	1.24	.74	1.27
20	.62	1.55	1.51	1.53	1.80	1.73	1.34	2.60	1.64	1.21	.73	1.24
21	.55	1.98	1.51	1.50	1.70	1.62	1.44	2.26	1.58	1.19	.73	1.22
22	.52	1.82	1.52	1.46	1.86	1.56	1.67	2.03	1.53	1.17	.73	1.22
23	.52	1.76	1.53	1.44	2.24	1.50	1.74	1.88	1.49	1.15	.72	1.21
24	.52	1.70	1.55	1.43	2.19	1.51	1.88	1.81	1.47	1.14	.72	1.19
25	.52	1.63	1.53	1.43	2.14	1.49	1.95	1.82	1.63	1.13	.72	1.17
26	.52	1.65	1.53	1.42	2.00	1.48	1.72	---	1.61	1.10	.72	1.15
27	1.27	1.70	1.53	1.42	1.84	1.46	1.58	---	1.57	1.16	.72	1.14
28	1.38	1.62	1.54	1.40	1.78	1.45	1.50	---	1.47	1.12	.71	1.13
29	1.20	1.57	1.53	1.40	---	1.67	1.44	2.23	1.41	1.09	.72	1.12
30	1.16	1.55	1.53	1.39	---	3.16	1.45	1.99	1.39	1.07	.72	1.11
31	1.13	---	1.53	1.40	---	3.10	---	1.89	---	1.05	.72	---
MEAN	.67	1.24	1.54	1.46	2.27	2.11	1.66	---	3.49	2.05	.84	2.14
MAX	1.38	1.98	1.75	1.63	6.97	4.34	2.48	8.91	11.08	7.52	1.10	8.41
MIN	.51	.60	1.48	1.39	1.43	1.45	1.34	1.81	1.39	1.05	.71	1.11

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°38'45", long 93°52'40", in NW1/4NW1/4 sec.14, T.19 N., R.15 W., Caddo Parish, Hydrologic Unit 11140304, near right bank on downstream side of pier of bridge on State Highway 173, 0.1 mi (0.2 km) downstream from Cottonwood Bayou, 4.2 mi (6.8 km) southwest of Dixie, 5.5 mi (8.8 km) downstream from Caddo Lake, and 17.3 mi (27.8 km) upstream from mouth.

DRAINAGE AREA.--3,137 mi^2 (8,125 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1942 to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 136.12 ft (41.489 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 5, 1947, nonrecording gage and Sept. 5, 1947, to June 26, 1978, water-stage recorder at present site. Oct. 1, 1950, to June 26, 1978, at datum 3.88 ft (1.183 m) higher and prior to Oct. 1, 1950, at datum 5.88 ft (1.792 m) higher.

Nonrecording gage for Twelvemile Bayou near Mooringsport (station 07347950) used as supplementary gage June 27, 1978, to May 7, 1981. Datum of supplementary gage, 140.00 ft (42.672 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

Water-stage recorder for Twelvemile Bayou below Dixie (station 07348010) used as auxiliary gage for this station. Prior to May 7, 1981, nonrecording gage for Red River at Shreveport (station 07348500) used as auxiliary gage.

REMARKS.--Records fair. No gage heights available at base gage for Oct. 1 to May 6. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft or 1.27 km^3, of which 587,200 acre-ft or 0.724 km^3 is available for storage) since August 1957.

AVERAGE DISCHARGE.--39 years, 2,584 ft^3/s (73.18 m^3/s), 1,872,000 acre-ft/yr (2.31 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,400 ft^3/s (1,090 m^3/s) May 5, 1958; maximum daily reverse flow, 50 ft^3/s (1.42 m^3/s) Aug. 5, 1975 (backwater from Red River); maximum gage height, 39.53 ft (12.049 m) Apr. 5, 1945, and May 5, 1958, at datum 3.88 ft (1.183 m) higher; minimum discharge (unaffected by backwater), 0.08 ft^3/s (0.002 m^3/s) Aug. 24, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 15,600 ft^3/s (442 m^3/s) June 9; minimum daily, 2.8 ft^3/s (0.079 m^3/s) Nov. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	26	26	257	378	765	948	389	6630	4170	81	31
2	22	8.0	25	175	488	1050	868	650	6350	3910	121	25
3	30	4.8	25	195	543	1350	780	652	6910	3700	151	39
4	33	4.6	25	91	352	1830	1120	820	7750	3450	161	33
5	444	4.4	24	91	297	2010	1280	650	9750	3680	125	21
6	212	3.8	24	231	356	1640	1160	638	13000	4350	99	17
7	152	3.1	25	345	345	1290	1010	620	14500	3990	87	15
8	57	2.9	33	385	363	1880	910	598	15400	4150	77	15
9	40	2.8	40	334	411	1490	940	798	15600	3710	65	77
10	28	3.0	45	253	990	1920	962	1030	15300	3240	59	205
11	20	3.9	51	334	928	1740	942	1400	14500	3060	55	319
12	15	3.1	58	358	810	1710	890	1390	13500	2930	51	335
13	12	3.9	71	389	678	1650	802	1390	12400	2680	45	335
14	10	6.8	114	363	561	1610	678	1620	10800	2440	31	329
15	9.4	7.2	755	367	690	1700	501	1310	9640	2200	29	327
16	9.0	9.8	852	415	765	1800	411	1510	8860	1960	29	315
17	8.8	37	790	411	760	1890	448	2540	8010	1610	35	303
18	20	288	790	259	785	1750	556	3200	7410	1160	31	297
19	38	446	740	257	778	1520	550	3680	6810	885	25	293
20	45	183	500	323	788	1230	499	4000	6260	714	21	285
21	41	75	400	345	815	1480	541	5060	5820	635	21	275
22	53	34	250	367	890	1280	675	5710	5420	540	19	269
23	41	20	367	305	802	1300	758	5900	5110	455	21	261
24	36	13	323	314	660	1190	852	5910	4910	392	21	245
25	32	13	261	345	632	1040	868	5830	4710	331	23	235
26	25	14	235	374	590	832	740	6720	4420	287	25	225
27	26	18	179	327	640	650	488	7380	4350	220	31	213
28	40	28	95	257	615	692	387	7540	4320	180	35	197
29	44	31	102	367	---	778	389	7440	4260	140	29	175
30	60	28	80	433	---	920	345	7170	4190	109	27	147
31	43	---	73	301	---	950	---	7090	---	85	27	---
TOTAL	1667.2	1326.1	7378	9568	17710	42937	22298	101555	256890	61363	1657	5918
MEAN	53.8	44.2	238	309	633	1385	743	3276	8563	1979	53.5	197
MAX	444	446	852	433	990	2010	1280	7540	15600	4350	161	335
MIN	8.8	2.8	24	91	297	650	345	389	4190	85	19	15
AC-FT	3310	2630	14630	18980	35130	85170	44230	201400	509500	121700	3290	11740

CAL YR 1980 TOTAL 1005415.5 MEAN 2747 MAX 12400 MIN 2.8 AC-FT 1994000
WTR YR 1981 TOTAL 530267.3 MEAN 1453 MAX 15600 MIN 2.8 AC-FT 1052000

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	18.74	15.21	4.81	4.64
2								---	18.40	14.61	5.02	4.61
3								---	19.28	14.11	5.17	4.69
4								---	20.67	13.60	5.22	4.66
5								---	23.59	13.95	5.04	4.60
6								---	28.62	14.59	4.92	4.58
7								6.78	30.16	13.99	4.86	4.58
8								6.73	30.87	14.25	4.81	4.58
9								7.56	31.07	13.52	4.75	4.89
10								9.54	30.81	12.68	4.73	5.73
11								9.20	30.16	12.31	4.71	5.97
12								9.05	29.23	12.06	4.69	6.03
13								9.05	27.98	11.56	4.66	6.03
14								9.60	26.10	11.07	4.59	6.01
15								9.66	24.60	10.60	4.59	6.00
16								10.51	23.64	10.11	4.59	5.96
17								12.71	22.70	9.42	4.62	5.91
18								14.08	22.10	8.53	4.60	5.89
19								15.02	21.65	7.85	4.58	5.87
20								15.54	21.07	7.28	4.56	5.84
21								16.72	20.41	7.00	4.57	5.81
22								17.44	19.62	6.68	4.56	5.78
23								17.56	18.90	6.39	4.57	5.75
24								17.44	18.32	6.18	4.57	5.71
25								17.05	17.84	5.97	4.58	5.66
26								18.54	17.35	5.79	4.60	5.62
27								19.63	16.97	---	4.63	5.57
28								19.90	16.42	---	4.65	5.51
29								19.74	15.88	---	4.62	5.44
30								19.28	15.50	4.95	4.61	5.30
31								19.15	---	4.83	4.62	---
MEAN								---	22.62	---	4.71	5.44
MAX								19.90	31.07	15.21	5.22	6.03
MIN								---	15.50	4.83	4.56	4.58

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1953-55, 1958-59, 1960, 1969-70, 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to September 1981 (discontinued).
WATER TEMPERATURES: April 1978 to September 1981 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 3,970 micromhos Oct. 20, 1980; minimum daily, 76 micromhos Feb. 12, 1980.
WATER TEMPERATURES: Maximum daily, 36.0°C June 27, 1978; minimum daily, 4.0°C Jan. 14, Feb. 7, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 3,970 micromhos Oct. 20; minimum daily, 92 micromhos June 13.
WATER TEMPERATURES: Maximum daily, 35.0°C July 24; minimum daily, 14.5°C Mar. 18.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 16...	0800	--	2800	7.7	21.0	10	1.1	7.9	1.1	K10	200	550
JAN 15...	1030	--	347	6.5	8.5	5	12	11.3	2.4	K16	230	50
MAR 03...	1610	--	291	6.2	14.5	50	54	10.2	--	K2800	210	46
MAY 13...	1145	1390	235	6.5	23.0	5	11	8.3	1.6	K65	2400	36
JUL 15...	0835	2250	152	6.3	30.5	50	20	5.9	.4	K10	7400	32
SEP 02...	0915	--	2070	7.4	26.0	10	50	6.0	5.8	540	1300	480

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT 16...	280	110	66	370	5.6	266	130	710	.3	9.0	1560	1560
JAN 15...	27	12	4.8	43	2.2	23	17	73	.1	11	190	177
MAR 03...	24	11	4.5	35	2.8	22	18	60	.1	9.7	171	154
MAY 13...	25	8.8	3.4	27	2.5	11	18	46	.1	9.6	155	123
JUL 15...	11	7.5	3.1	14	3.0	20	13	24	.1	11	105	88
SEP 02...	280	100	56	230	4.4	205	140	450	.2	9.4	1130	1110

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
OCT 16...	.00	.00	.01	.01	.82	.71	.23	.22	--	7.9	1.2
JAN 15...	.06	.00	.12	.09	1.4	.78	.07	.01	11	--	--
MAR 03...	.32	.37	.08	.09	1.3	1.4	.12	.05	--	11	1.7
MAY 13...	.15	.18	.17	.10	1.1	.47	.08	.01	--	6.7	2.1
JUL 15...	.09	.09	.14	.15	1.2	1.1	.10	.03	--	8.5	--
SEP 02...	.03	.03	.10	.10	1.9	1.5	.12	.04	13	--	--

K Results based on colony count outside the acceptable range (non-ideal count).

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 16...	1	1	700	600	0	0	10	10	0	0
MAR 03...	1	1	100	90	0	<1	10	0	2	3
MAY 13...	1	1	--	60	0	<1	10	0	3	<3
JUL 15...	1	1	100	50	0	<1	10	10	1	<3

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 16...	10	5	680	20	6	1	690	400	.1
MAR 03...	7	5	2500	110	1	0	200	50	.3
MAY 13...	6	2	2000	90	4	2	250	5	.1
JUL 15...	7	3	2800	520	2	2	240	20	.3

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 16...	.1	5	0	0	0	0	0	20	10
MAR 03...	.6	3	3	0	0	0	1	30	20
MAY 13...	.0	3	0	0	0	0	0	--	20
JUL 15...	.2	4	1	0	0	0	0	30	10

DATE	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 16...	36000	370	--	96
JAN 15...	--	66	--	98
MAR 03...	180000	232	--	93
MAY 13...	310000	84	315	98
JUL 15...	71000	130	790	80
SEP 02...	22000	170	--	99

< Actual value is known to be less than the value shown.

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3000	1490				---	---	256	120	115	463	2050
2	3220	---				---	---	248	116	116	712	2200
3	3060	---				---	---	248	138	116	899	1970
4	2700	---				---	---	248	136	119	1140	1890
5	2670	---				---	---	248	119	138	724	1800
6	2900	---				---	---	250	144	159	530	1830
7	3060	---				---	---	248	128	166	700	1830
8	3160	---				---	---	256	123	168	1080	1840
9	2990	1610				---	---	248	114	157	807	2040
10	2900	1740				226	---	248	110	153	888	1060
11	2780	1640				226	---	248	106	151	961	678
12	2790	---				220	---	253	94	151	973	285
13	2780	---				216	---	---	92	149	1100	285
14	2780	---				203	---	249	101	148	1240	248
15	2800	---				221	---	248	104	150	1340	236
16	2810	---				212	---	249	106	154	1420	253
17	2780	---				216	---	248	99	161	1490	254
18	3060	---				271	---	250	99	164	1580	266
19	3510	---				259	---	249	101	169	1630	284
20	3970	---				---	---	248	101	172	1690	302
21	2820	---				---	---	---	102	193	1700	312
22	2550	---				---	---	---	107	198	1740	312
23	2560	---				231	---	248	108	204	1810	318
24	2570	---				---	255	---	108	243	1940	328
25	---	---				---	---	---	110	270	2090	342
26	---	---				---	---	---	114	293	2160	342
27	---	---				---	---	---	116	368	2090	351
28	---	---				---	257	151	120	318	2070	343
29	---	---				---	267	129	114	357	2000	350
30	---	---				---	248	118	118	357	1980	363
31	---	---				---	---	122	---	498	1990	---
MAX	3970	---				---	---	256	144	498	2160	2200
MIN	2550	---				---	---	118	92	115	463	236

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	15.0				---		---	28.0	30.0	31.5	28.0
2	24.0	---				---		---	28.0	30.5	31.0	26.5
3	22.0	---				---		---	27.0	31.0	33.0	27.5
4	23.0	---				---		---	27.0	29.0	33.0	28.0
5	23.0	---				---		---	26.0	28.0	33.0	28.5
6	23.0	---				---		---	25.5	30.0	33.0	28.0
7	23.0	---				---		---	28.0	29.0	31.0	30.0
8	22.5	---				---		---	29.0	30.5	31.0	29.0
9	24.5	17.0				---		---	29.0	31.0	30.0	29.0
10	23.0	19.0				15.0		---	30.0	32.0	33.0	28.0
11	22.0	---				16.0		---	28.5	32.0	33.0	28.0
12	23.0	---				16.5		---	28.0	31.5	30.5	28.0
13	21.5	---				17.0		---	30.0	32.0	30.5	27.0
14	21.5	---				17.5		---	29.5	32.5	31.0	28.0
15	22.0	---				17.5		---	30.0	31.5	31.0	28.0
16	22.0	---				17.0		---	29.0	32.0	29.0	26.0
17	22.0	---				16.0		---	30.0	33.0	30.0	25.0
18	23.0	---				14.5		---	30.0	33.5	30.0	25.0
19	21.5	---				17.0		---	30.0	34.0	30.0	25.0
20	21.0	---				---		---	30.5	33.0	30.0	22.0
21	20.5	---				---		---	30.0	33.0	29.0	25.0
22	19.0	---				---		---	31.0	34.5	29.0	25.0
23	19.0	---				18.0		---	31.0	34.0	30.5	26.0
24	18.0	---				---		---	31.0	35.0	29.5	27.0
25	---	---				---		---	30.5	34.0	30.0	26.0
26	---	---				---		---	31.0	34.0	30.0	27.0
27	---	---				---		---	30.0	33.0	29.0	26.0
28	---	---				---		25.0	30.0	31.5	28.0	27.0
29	---	---				---		27.0	31.0	30.0	29.0	28.0
30	---	---				---		27.0	31.0	31.0	29.0	27.0
31	---	---				---		27.0	---	32.0	30.0	---
MAX	24.5	---				---		---	31.0	35.0	33.0	30.0
MIN	18.0	---				---		---	25.5	28.0	28.0	22.0

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE	OCT 16,80	MAR 3,81	MAY 13,81	JUL 15,81	SEP 2,81
TIME	0800	1610	1145	0835	0915
TOTAL CELLS/ML	36000	180000	310000	71000	22000
DIVERSITY: DIVISION	0.8	0.5	0.6	0.3	0.9
.CLASS	0.8	0.5	0.6	0.3	0.9
..ORDER	1.0	0.9	1.4	0.9	1.1
...FAMILY	1.4	1.0	1.7	1.1	1.1
....GENUS	1.5	1.0	2.2	1.2	1.7

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...CHARACIACEAE										
....SCHROEDERIA	--	-	--	-	--	-	*	0	--	-
...HYDRODICTYACEAE										
....PEDIASTRUM	--	-	--	-	--	-	*	0	--	-
...MICRACTINIACEAE										
....GOLENKINIA	*	0	--	-	--	-	--	-	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	450	1	4000	2	2200	1	*	0	260	1
....CHODATELLA	--	-	*	0	*	0	*	0	--	-
....DICTYOSPHAERIUM	400	1	--	-	--	-	*	0	--	-
....FRANCEIA	--	-	--	-	*	0	--	-	--	-
....KIRCHNERIELLA	--	-	*	0	*	0	--	-	--	-
....OOCYSTIS	250	1	--	-	--	-	--	-	--	-
....SELENASTRUM	--	-	--	-	2700	1	--	-	--	-
....TREUBARIA	--	-	*	0	--	-	*	0	--	-
...SCENEDESMACEAE										
....CRUCIGENIA	*	0	--	-	--	-	*	0	--	-
....SCENEDESMUS	1600	4	1900	1	8600	3	*	0	260	1
....TETRASTRUM	400	1	--	-	--	-	--	-	--	-
..TETRASPORALES										
...PALMELLACEAE										
....SPHAEROCYSTIS	--	-	--	-	8300	3	--	-	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CARTERIA	--	-	--	-	--	-	--	-	4400#	20
....CHLAMYDOMONAS	*	0	--	-	*	0	*	0	320	1
..ZYGNEMATALES										
...DESMIDIACEAE										
....EUASTRUM	--	-	--	-	*	0	--	-	--	-
CHRYSOPHYTA										
.BACILLARIOPHYCEAE										
..CENTRALES										
...COSCINODISCACEAE										
....CYCLOTELLA	1200	3	--	-	*	0	*	0	*	0
....MELOSIRA	300	1	1300	1	5100	2	*	0	--	-
..PENNALES										
...NITZSCHIACEAE										
....NITZSCHIA	*	0	5900	3	3800	1	750	1	--	-
.XANTHOPHYCEAE										
..HETEROCOCCALES										
...CHLOROTHECIACEAE										
....OPHIOCYTIUM	--	-	--	-	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE	OCT 16,80		MAR 3,81		MAY 13,81		JUL 15,81		SEP 2,81	
TIME	0800		1610		1145		0835		0915	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CRYPTOPHYTA (CRYPTOMONADS)										
.CRYPTOPHYCEAE										
..CRYPTOMONADALES										
...CRYPTOMONADACEAE										
....CRYPTOMONAS	*	0	--	-	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	--	-	--	-	34000	11	--	-	--	-
....ANACYSTIS	1200	3	150000#	83	170000#	56	13000#	18	--	-
..HORMOGONALES										
...NOSTOCACEAE										
....ANABAENA	--	-	--	-	7000	2	550	1	--	-
....ANABAENOPSIS	1700	5	--	-	--	-	--	-	--	-
....APHANIZOMENON	--	-	--	-	15000	5	1300	2	--	-
...OSCILLATORIACEAE										
....LYNGBYA	--	-	--	-	48000#	16	54000#	76	3300#	15
....OSCILLATORIA	28000#	77	15000	9	--	-	--	-	13000#	59
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	--	-	--	-	--	-	*	0	--	-
....LEPOCINCLIS	--	-	--	-	--	-	--	-	*	0
....TRACHELOMONAS	300	1	--	-	--	-	*	0	190	1
PYRRHOPHYTA (FIRE ALGAE)										
.DINOPHYCEAE										
..GYMNODINIALES										
...GYMNODINIACEAE										
....GYMNODINIUM	--	-	--	-	*	0	--	-	--	-
..PERIDINIALES										
...GLENODINIACEAE										
....GLENODINIUM	*	0	*	0	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07348010 TWELVEMILE BAYOU BELOW DIXIE, LA

LOCATION.--Lat 32°36'25", long 93°48'35", in NW1/4SW1/4 sec.28, T.19 N., R.14 W., Caddo Parish, Hydrologic Unit 11140304, at bridge on U.S. Highway 71, and 6.0 mi (9.7 km) southeast of Dixie.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1979 to current year (gage heights only). February 1962 to September 1979 (annual maximums). Unpublished daily gage heights, August 1978 to September 1979, in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 134.00 ft (40.843 m) National Geodetic Vertical Datum of 1929. Prior to August 1978, nonrecording gage at same site at datum 134.00 ft (40.843 m) higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 36.54 ft (11.137 m) present datum, May 7, 1966; minimum, 0.47 ft (0.143 m) Sept. 25, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 27.10 ft (8.260 m) June 9; minimum, 1.98 ft (0.604 m) Oct. 1.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.13	6.28	6.27	---	6.82	---	7.54	7.06	15.75	13.59	6.33	6.22
2	2.42	6.25	6.25	---	7.06	---	7.42	7.17	15.64	13.02	6.45	6.20
3	5.90	6.36	6.23	---	6.78	7.95	7.38	7.19	16.36	12.48	6.57	---
4	10.11	6.57	6.23	---	6.63	8.17	7.74	7.19	17.67	12.02	6.58	---
5	10.25	6.25	6.23	---	6.51	8.55	8.04	7.20	20.05	12.17	6.49	---
6	9.29	6.20	6.23	---	6.58	8.21	7.83	7.30	24.74	---	6.43	---
7	8.24	6.19	6.22	---	6.66	8.60	7.70	7.17	26.28	---	6.38	---
8	7.29	6.18	6.24	---	6.68	10.26	7.63	7.15	26.95	---	6.36	---
9	6.52	6.18	6.26	---	6.65	11.43	7.64	7.57	27.03	---	6.28	---
10	6.22	6.16	6.27	6.75	8.53	11.60	7.65	8.77	26.80	---	6.19	---
11	6.15	6.16	6.30	6.77	8.49	11.12	7.63	8.60	26.19	---	6.21	---
12	6.13	6.15	6.32	6.73	7.38	10.63	7.59	8.52	25.27	---	6.20	---
13	6.12	6.15	7.65	6.89	7.24	10.22	7.59	8.52	24.37	---	6.19	---
14	6.12	6.16	9.83	6.88	7.32	9.74	7.57	9.01	23.16	---	6.19	6.95
15	6.12	6.15	10.20	6.78	7.40	9.22	7.18	9.99	22.11	---	6.19	6.95
16	6.12	6.19	9.70	6.70	7.28	8.50	7.19	10.93	21.41	---	6.19	6.92
17	6.19	6.35	9.10	6.65	7.26	8.24	7.15	12.29	20.80	---	6.22	6.90
18	6.23	6.62	8.68	6.71	7.24	8.62	7.00	13.33	20.48	---	6.20	6.89
19	6.26	6.67	8.12	6.72	7.26	8.34	6.97	14.05	20.36	---	6.18	6.89
20	6.29	6.54	7.29	6.67	7.23	7.95	6.96	14.30	20.03	---	6.17	6.88
21	6.26	6.42	6.67	6.67	7.26	7.73	7.00	14.71	19.51	---	6.16	6.86
22	6.23	6.36	6.66	6.66	7.82	7.76	7.14	14.87	18.77	---	6.16	6.85
23	6.20	6.31	6.77	6.63	7.50	7.66	7.17	14.71	18.03	---	6.16	6.84
24	6.18	6.27	6.95	6.60	7.16	7.52	---	14.32	17.38	---	6.17	6.82
25	6.16	6.24	---	6.62	7.15	7.50	---	13.76	16.91	---	6.17	6.81
26	6.15	6.26	---	6.63	7.09	7.47	---	14.69	16.52	---	6.20	6.79
27	6.24	6.27	---	6.64	7.09	7.30	6.91	15.68	16.07	---	6.22	6.75
28	6.30	6.26	---	6.63	---	7.03	6.91	16.04	15.27	6.50	6.23	6.72
29	6.40	6.26	---	6.61	---	7.24	6.88	16.10	14.54	6.46	6.21	6.69
30	6.38	6.28	---	6.64	---	7.57	6.83	15.86	14.03	6.41	6.20	6.63
31	6.34	---	---	6.37	---	7.57	---	15.86	---	6.37	6.20	---
MEAN	6.42	6.29	---	---	---	---	---	11.29	20.28	---	6.26	---
MAX	10.25	6.67	10.20	---	8.53	11.60	8.04	16.10	27.03	13.59	6.58	---
MIN	2.13	6.15	6.22	---	6.51	7.03	6.83	7.06	14.03	6.37	6.16	---

07348500 RED RIVER AT SHREVEPORT, LA

LOCATION.--Lat 32°30'55", long 93°44'25", in SE1/4SE1/4 sec. 30, T. 18 N., R.13 W., Caddo Parish, Hydrologic Unit 11140202, on second pier from east bank, at Illinois Central Railroad Co. bridge at Shreveport, and 0.5 mi (0.8 km) downstream from Cross Bayou.

DRAINAGE AREA.--60,613 mi^2 (156,988 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1980 (see NOTE). Daily gage heights since May 1873 and discharge intermittently 1872 to 1905 in reports of Mississippi River Commission.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1920: 1960(M).

GAGE.--Water-stage recorder. Datum of gage is 131.48 ft (40.075 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 1, 1918, nonrecording gage at same site at datum 10 ft (3.05 m) higher.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir. See Red River near Hosston (station 07344400).

COOPERATION.--Gage-height record and computations of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--52 years (water years 1929-80), 24,200 ft^3/s (685.3 m^3/s), 17,532,900 acre-ft/yr (21.6 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 303,000 ft^3/s (8,580 m^3/s) Apr. 5, 1945 (discharge measurement), maximum gage height, 37.9 ft (11.55 m) in gage well, 38.4 ft (11.70 m) from outside gage Apr. 7, 1945; minimum discharge, 690 ft^3/s (19.5 m^3/s) Oct. 30, 1956; minimum gage height, 0.24 ft (0.073 m) Nov. 9, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, 45.9 ft (13.99 m), present datum, from water mark in August 1849 (affected by huge log raft).

EXTREMES FOR CURRENT YEAR.--Water year 1980: Maximum discharge, 47,100 ft^3/s (1,330 m^3/s) Feb. 1, gage height, 17.08 ft (5.206 m); minimum daily, 2,800 ft^3/s (79.3 m^3/s) Aug. 3,4.

NOTE.--Records for the 1981 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13000	6900	7800	32000	47000	17000	17000	18000	18000	12000	3200	4600
2	12000	7300	7200	32000	46000	15000	16000	19000	20000	11000	3000	3900
3	11000	7400	6100	31000	45000	14000	16000	19000	22000	9500	2800	3400
4	11000	7500	5300	30000	41000	14000	17000	20000	24000	8900	2800	3300
5	10000	7400	4900	29000	36000	13000	16000	22000	35000	8300	2900	4600
6	10000	7400	4600	28000	27000	12000	15000	22000	38000	7500	3000	8300
7	10000	7300	4400	27000	29000	11000	12000	22000	37000	6700	4000	9800
8	10000	7500	4100	25000	27000	11000	11000	21000	34000	6400	4900	10000
9	9700	7800	3800	20000	24000	12000	11000	19000	38000	6700	5400	9200
10	9600	9100	3800	19000	26000	12000	11000	18000	38000	6400	5300	8200
11	9300	9500	3800	16000	39000	11000	11000	18000	33000	6100	4800	7700
12	8800	8900	3600	15000	40000	12000	15000	18000	30000	5700	4400	7000
13	8200	8600	4000	14000	42000	9200	17000	18000	28000	5500	4000	6400
14	7500	8600	4200	12000	43000	8500	23000	17000	26000	5500	3800	6500
15	7100	8700	4900	11000	44000	8000	26000	15000	22000	5300	3500	6100
16	6700	8000	6300	10000	42000	8600	28000	20000	18000	5200	3800	5300
17	6700	7300	8200	9800	41000	9600	31000	30000	17000	5900	3900	4900
18	6700	6600	9500	9300	39000	13000	35000	34000	16000	7000	4200	4600
19	6400	5900	10000	8800	38000	13000	34000	34000	15000	7700	4300	4200
20	6300	5400	10000	9200	37000	12000	31000	32000	13000	7900	4000	4200
21	6600	5700	10000	9700	34000	12000	29000	32000	13000	7700	4200	4600
22	7000	7400	9900	18000	32000	12000	27000	37000	12000	7400	4500	4600
23	6600	9600	10000	28000	29000	12000	25000	37000	14000	7300	4800	4200
24	6200	9300	12000	25000	28000	12000	23000	34000	19000	6400	4800	3400
25	5700	8900	13000	33000	27000	12000	20000	30000	22000	5400	4300	3400
26	5300	9100	14000	43000	24000	12000	21000	26000	22000	5000	3800	3500
27	5400	9100	20000	40000	22000	12000	21000	23000	19000	4800	3300	3300
28	6200	8800	23000	39000	20000	13000	18000	19000	16000	4600	3200	3200
29	6400	8400	28000	38000	18000	14000	17000	18000	14000	3900	3900	3100
30	6200	8100	31000	44000	---	16000	16000	18000	13000	3400	4600	3400
31	6600	---	32000	46000	---	18000	---	17000	---	3300	4800	---
TOTAL	248200	237500	319400	751800	987000	380900	610000	727000	686000	204400	124200	158900
MEAN	8006	7917	10300	24250	34030	12290	20330	23450	22870	6594	4006	5297
MAX	13000	9600	32000	46000	47000	18000	35000	37000	38000	12000	5400	10000
MIN	5300	5400	3600	8800	18000	8000	11000	15000	12000	3300	2800	3100
AC-FT	492300	471100	633500	1491000	1958000	755500	1210000	1442000	1361000	405400	246400	315200

CAL YR 1979 TOTAL 10197500 MEAN 27940 MAX 99000 MIN 3600 AC-FT 20230000
WTR YR 1980 TOTAL 5435300 MEAN 14850 MAX 47000 MIN 2800 AC-FT 10780000

07348500 RED RIVER AT SHREVEPORT, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.48	5.80	6.31	13.71	17.08	9.30	9.32	9.36	9.41	7.64	2.90	3.58
2	8.16	6.06	6.06	13.63	16.85	8.92	9.27	9.73	10.10	7.20	2.79	3.19
3	7.85	6.11	5.51	13.46	16.64	8.54	9.24	9.71	10.78	6.43	2.70	2.89
4	7.71	6.18	4.99	13.27	15.81	8.24	9.30	10.08	11.21	6.09	2.70	2.84
5	7.54	6.22	4.74	13.02	14.60	7.83	9.09	10.64	14.07	5.80	2.72	3.60
6	7.39	6.15	4.55	12.85	13.72	7.60	8.68	10.62	14.80	5.33	2.81	5.64
7	7.41	6.03	4.42	12.47	13.01	7.01	7.72	10.55	14.60	4.89	3.34	6.43
8	7.37	6.08	4.23	12.03	12.55	7.10	7.12	10.65	13.80	4.68	3.86	6.52
9	7.20	6.09	3.97	11.47	11.64	7.23	6.83	9.88	14.80	4.87	4.23	6.06
10	7.15	6.81	3.96	10.16	12.10	7.21	6.68	9.62	15.00	4.68	4.14	5.59
11	7.12	7.13	3.97	9.44	15.44	7.10	6.72	9.71	14.10	4.54	3.82	5.16
12	6.87	6.81	3.85	8.77	15.55	7.32	8.22	9.30	13.10	4.31	3.51	4.78
13	6.64	6.64	4.06	8.48	16.03	6.13	9.00	9.29	12.58	4.22	3.27	4.47
14	6.28	6.61	4.30	7.93	16.42	5.76	10.99	9.27	12.08	4.20	3.10	4.49
15	6.06	6.70	4.67	7.49	16.68	5.48	11.76	8.41	11.21	4.05	2.92	4.27
16	5.84	6.44	5.49	7.05	16.13	5.79	12.02	10.08	10.08	4.00	3.09	3.79
17	5.80	6.04	6.53	6.85	15.80	6.30	13.01	12.72	9.68	4.41	3.19	3.58
18	5.87	5.71	7.17	6.60	15.34	7.92	13.88	13.88	9.36	5.03	3.41	3.39
19	5.62	5.25	7.50	6.35	14.96	7.93	13.65	13.81	8.75	5.44	3.42	3.18
20	5.50	4.86	7.55	6.53	14.64	7.66	13.03	13.24	8.28	5.56	3.24	3.21
21	5.67	4.76	7.45	6.80	13.95	7.72	12.42	13.42	8.02	5.37	3.34	3.42
22	6.02	5.85	7.40	9.87	13.59	7.55	12.03	14.46	7.87	5.16	3.52	3.43
23	5.81	7.08	7.55	10.68	12.86	7.36	11.49	14.78	8.66	5.03	3.71	3.17
24	5.49	7.21	8.01	11.61	12.60	7.38	10.76	14.04	10.30	4.52	3.69	2.78
25	5.24	6.82	8.31	13.64	12.24	7.44	9.93	13.02	11.06	4.04	3.40	2.73
26	4.93	6.96	9.47	16.05	11.62	7.49	10.32	11.98	11.11	3.81	3.15	2.79
27	4.93	7.01	10.59	15.46	11.07	7.53	10.23	11.10	10.22	3.69	2.83	2.69
28	5.41	6.76	11.30	15.27	10.38	8.01	9.51	9.97	9.36	3.62	2.80	2.62
29	5.65	6.54	12.54	15.04	9.88	8.50	9.08	9.54	8.61	3.25	3.20	2.61
30	5.45	6.44	13.56	16.47	---	9.03	8.83	9.41	8.05	3.00	3.58	2.75
31	5.70	---	13.60	16.86	---	9.78	---	9.20	---	2.93	3.71	---
MEAN	6.39	6.31	6.89	11.27	14.11	7.55	10.00	11.02	11.04	4.77	3.29	3.86
MAX	8.48	7.21	13.60	16.86	17.08	9.78	13.88	14.78	15.00	7.64	4.23	6.52
MIN	4.93	4.76	3.85	6.35	9.88	5.48	6.68	8.41	7.87	2.93	2.70	2.61

07348500 RED RIVER AT SHREVEPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1907-08, 1956-58, 1971, 1978-1980.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: October 1977 to September 1980.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 04225.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 879,000 tons (797,000 tonnes) Apr. 4, 1979; minimum daily, 1,000 tons (908 tonnes) Oct. 1, 1977, many days in 1978, 1979 and 1980.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
17...	6700	142	2570	92
24...	6200	131	2190	95
NOV				
07...	7300	131	2580	86
28...	8800	129	3070	93
DEC				
26...	14300	386	14900	85
JAN				
09...	20000	466	25200	72
23...	27700	927	69300	66
FEB				
06...	27100	463	33900	62
20...	36700	756	74900	45
MAR				
05...	12800	227	7950	74
19...	13200	431	15400	87
26...	12500	215	7260	90
APR				
09...	11000	103	3060	84
16...	28100	448	34000	71
30...	16400	269	11900	71
MAY				
14...	17300	344	16100	76
28...	19100	394	20300	61
JUN				
11...	33300	115	10300	66
25...	22200	118	7070	71
JUL				
09...	6700	171	3090	81
23...	7300	227	4470	84
AUG				
06...	3000	347	2810	45
20...	4000	196	2120	93
SEP				
18...	8200	279	6180	72
24...	3400	195	1790	90

07348500 RED RIVER AT SHREVEPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8000	2000	3000	59000	111000	14000	9000	14000	22000	16000	2000	2000
2	7000	3000	2000	58000	102000	11000	8000	16000	28000	12000	2000	2000
3	6000	3000	2000	55000	94000	10000	8000	16000	35000	9000	2000	1000
4	6000	3000	2000	52000	76000	9000	8000	18000	42000	7000	2000	1000
5	5000	3000	1000	49000	58000	8000	7000	22000	85000	6000	2000	2000
6	5000	3000	1000	46000	34000	7000	6000	22000	103000	5000	3000	6000
7	5000	3000	1000	43000	39000	7000	4000	22000	103000	4000	4000	9000
8	5000	3000	1000	37000	35000	7000	3000	21000	93000	3000	6000	9000
9	5000	3000	1000	25000	29000	8000	3000	18000	118000	3000	7000	8000
10	5000	4000	1000	24000	34000	9000	3000	16000	124000	3000	6000	6000
11	5000	4000	1000	18000	70000	8000	4000	17000	102000	3000	5000	6000
12	4000	3000	1000	17000	74000	10000	7000	17000	89000	2000	4000	5000
13	4000	3000	1000	15000	82000	6000	10000	17000	81000	2000	3000	4000
14	3000	3000	1000	12000	87000	6000	19000	16000	73000	2000	3000	4000
15	3000	3000	2000	11000	93000	5000	27000	13000	56000	2000	2000	4000
16	3000	3000	3000	10000	87000	6000	34000	21000	40000	2000	2000	3000
17	3000	2000	5000	9000	85000	8000	40000	42000	37000	3000	2000	3000
18	3000	2000	6000	9000	80000	14000	49000	53000	35000	4000	3000	3000
19	2000	2000	7000	8000	78000	15000	46000	53000	32000	5000	3000	2000
20	2000	1000	7000	9000	75000	12000	39000	48000	25000	5000	2000	2000
21	2000	2000	7000	11000	63000	11000	35000	48000	26000	5000	2000	3000
22	3000	2000	7000	32000	55000	10000	30000	62000	23000	5000	3000	3000
23	2000	4000	8000	70000	45000	9000	26000	62000	31000	4000	3000	3000
24	2000	3000	11000	55000	41000	8000	23000	54000	53000	4000	3000	2000
25	2000	3000	12000	84000	37000	8000	18000	44000	70000	3000	2000	2000
26	2000	3000	15000	127000	30000	7000	19000	34000	65000	3000	2000	3000
27	2000	3000	27000	107000	25000	7000	19000	28000	47000	3000	1000	3000
28	2000	3000	34000	98000	20000	7000	14000	20000	32000	3000	1000	4000
29	2000	3000	47000	89000	16000	8000	13000	19000	24000	2000	2000	4000
30	2000	3000	56000	109000	---	9000	12000	20000	19000	2000	2000	6000
31	2000	---	59000	112000	---	11000	---	19000	---	2000	3000	---
TOTAL	112000	85000	332000	1460000	1755000	275000	543000	892000	1713000	134000	89000	115000
MEAN	3610	2830	10700	47100	60500	8870	18100	28800	57100	4320	2870	3830
MAX	8000	4000	59000	127000	111000	15000	49000	62000	124000	16000	7000	9000
MIN	2000	1000	1000	8000	16000	5000	3000	13000	19000	2000	1000	1000

WTR YR 1980 TOTAL 7505000 MEAN 20500 MAX 127000 MIN 1000

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

LOCATION.--Lat 32°59'40", long 93°23'47", in NE1/4NE1/4 sec.16, T.23 N., R.10 W., Webster Parish, Hydrologic Unit 11140203, near left bank on downstream side of bridge on State highway 157, 0.4 mi (0.6 km) downstream from Crooked Creek, 1.7 mi (2.7 km) downstream from Arkansas-Louisiana State line, and 4.2 mi (6.8 km) southeast of intersection of State Highways 7 and 157 at Springhill.

DRAINAGE AREA.--605 mi^2 (1570 km^2).

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft (53.008 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good above 200 ft^3/s (5.66 m^3/s) and poor below. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years, 555 ft^3/s (15.72 m^3/s), 12.46 in/yr (316 mm/yr), 402,100 acre-ft/yr (496 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,400 ft^3/s (1,030 m^3/s) Apr. 28, 1958, gage height, 22.79 ft 6.946 m); no flow Oct. 10-14, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft^3/s (85 m^3/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)	Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)
May 20	2330	*4950	140	*14.57	4.441	June 9	1200	3160	89.5	13.62	4.151

Minimum daily discharge, 0.73 ft^3/s (0.021 m^3/s) Aug. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	8.1	30	10	76	300	275	409	778	20	1.6	31
2	2.4	15	34	8.8	89	381	318	263	710	15	1.4	26
3	2.2	12	32	8.9	67	343	352	176	588	7.2	1.3	18
4	2.0	8.1	28	9.2	86	371	358	165	467	5.7	2.5	15
5	1.8	5.2	25	8.8	106	426	327	162	594	51	5.6	11
6	1.7	3.2	23	16	102	442	281	142	1080	170	5.6	13
7	1.6	1.9	20	35	88	430	270	118	1750	428	3.0	17
8	1.5	1.2	16	27	80	410	301	96	2510	610	1.7	15
9	1.4	2.0	36	28	75	388	333	99	3110	791	1.3	11
10	1.4	3.8	30	42	203	351	340	159	2880	965	1.1	8.0
11	1.3	4.4	24	53	222	301	313	225	2430	1100	.98	6.6
12	1.2	5.2	30	53	141	254	267	272	1960	1010	.92	5.0
13	1.2	6.3	57	53	138	209	203	313	1580	751	.77	3.7
14	1.2	7.8	81	50	147	173	150	366	1280	407	.73	3.2
15	1.1	11	92	46	139	151	119	383	992	206	.77	9.0
16	1.1	13	94	39	124	135	99	711	717	141	.75	8.3
17	5.0	59	88	34	112	123	84	3270	504	105	.82	3.4
18	7.2	39	77	29	102	115	73	4010	422	78	.95	2.0
19	2.1	15	63	25	92	105	84	4170	406	55	1.2	1.8
20	1.9	27	48	30	83	95	97	4560	373	34	1.2	1.8
21	1.8	56	37	37	77	87	79	4610	284	20	1.2	1.9
22	1.6	72	31	34	85	83	57	3650	198	11	1.2	1.9
23	1.5	79	26	32	82	78	46	3050	153	6.8	1.1	1.9
24	1.3	74	22	39	77	73	48	2580	118	4.6	1.9	1.8
25	1.2	59	18	48	82	73	44	2070	83	2.9	8.0	1.9
26	1.6	48	15	55	99	78	39	1700	55	1.8	3.2	2.0
27	20	52	14	59	113	89	41	1400	36	1.4	2.9	2.2
28	44	48	15	58	123	99	54	1170	24	1.4	2.8	2.5
29	2.0	36	15	51	---	129	82	976	26	1.3	4.4	2.5
30	1.8	28	14	45	---	214	300	870	30	1.2	25	2.6
31	1.6	---	12	38	---	234	---	818	---	1.5	22	---
TOTAL	120.5	800.2	1147	1101.7	3010	6740	5434	42963	26138	7003.8	107.89	231.0
MEAN	3.89	26.7	37.0	35.5	108	217	181	1386	871	226	3.48	7.70
MAX	44	79	94	59	222	442	358	4610	3110	1100	25	31
MIN	1.1	1.2	12	8.8	67	73	39	96	24	1.2	.73	1.8
AC-FT	239	1590	2280	2190	5970	13370	10780	85220	51840	13890	214	458

CAL YR 1980 TOTAL 264859.70 MEAN 724 MAX 7830 MIN 1.1 AC-FT 525300
WTR YR 1981 TOTAL 94797.09 MEAN 260 MAX 4610 MIN .73 AC-FT 188000

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.47	4.44	5.00	4.62	5.65	8.08	7.98	8.87	10.56	4.83	3.87	4.51
2	4.45	4.56	5.07	4.59	5.83	8.71	8.30	7.86	10.29	4.73	3.85	4.44
3	4.45	4.43	5.04	4.59	5.51	8.48	8.54	7.00	9.77	4.54	3.84	4.30
4	4.45	4.32	4.98	4.61	5.78	8.65	8.57	6.86	9.20	4.47	3.91	4.24
5	4.46	4.22	4.94	4.59	6.07	8.98	8.37	6.81	9.76	5.28	4.09	4.15
6	4.47	4.11	4.91	4.73	6.01	9.06	8.03	6.51	11.50	6.88	4.09	4.19
7	4.47	4.05	4.86	5.05	5.82	9.00	7.95	6.14	12.53	8.96	3.96	4.28
8	4.47	3.98	4.80	4.95	5.71	8.88	8.18	5.82	13.16	9.87	3.88	4.22
9	4.47	4.05	5.11	4.95	5.63	8.75	8.41	5.86	13.59	10.61	3.84	4.14
10	4.48	4.15	5.03	5.16	7.18	8.53	8.46	6.76	13.43	11.22	3.82	4.05
11	4.48	4.18	4.93	5.31	7.50	8.18	8.27	7.54	13.11	11.60	3.81	3.99
12	4.48	4.22	5.02	5.32	6.57	7.82	7.92	7.96	12.73	11.36	3.79	3.92
13	4.49	4.27	5.39	5.32	6.53	7.42	7.34	8.27	12.35	10.44	3.76	3.86
14	4.50	4.32	5.72	5.27	6.65	7.02	6.66	8.62	11.93	8.82	3.76	3.82
15	4.50	4.41	5.88	5.21	6.55	6.71	6.20	8.72	11.29	7.26	3.77	4.01
16	4.50	4.46	5.90	5.12	6.33	6.48	5.89	9.98	10.31	6.31	3.76	4.02
17	4.66	5.16	5.82	5.04	6.16	6.31	5.68	13.67	9.38	5.70	3.77	3.83
18	4.69	4.85	5.66	4.97	6.02	6.20	5.50	14.12	8.95	5.29	3.80	3.76
19	4.41	4.50	5.46	4.92	5.87	6.05	5.67	14.20	8.86	4.95	3.83	3.74
20	4.39	4.72	5.25	4.98	5.74	5.91	5.85	14.39	8.66	4.66	3.83	3.74
21	4.34	5.20	5.09	5.08	5.66	5.80	5.57	14.41	8.05	4.44	3.83	3.75
22	4.33	5.46	5.00	5.05	5.77	5.75	5.25	13.91	7.31	4.27	3.83	3.75
23	4.34	5.61	4.93	5.01	5.73	5.68	5.09	13.55	6.74	4.14	3.82	3.75
24	4.32	5.58	4.86	5.12	5.66	5.60	5.11	13.22	6.24	4.04	3.87	3.74
25	4.32	5.41	4.79	5.25	5.73	5.59	5.06	12.83	5.74	3.95	4.16	3.75
26	4.34	5.25	4.74	5.34	5.97	5.68	4.98	12.49	5.34	3.89	3.97	3.76
27	4.77	5.30	4.73	5.40	6.17	5.83	5.01	12.12	5.07	3.85	3.94	3.77
28	5.19	5.25	4.73	5.38	6.32	5.97	5.19	11.73	4.89	3.85	3.90	3.78
29	4.31	5.08	4.73	5.29	---	6.40	5.62	11.26	4.92	3.84	3.95	---
30	4.27	4.98	4.72	5.20	---	7.46	8.08	10.90	4.98	3.83	4.44	---
31	4.22	---	4.66	5.11	---	7.64	---	10.71	---	3.86	4.39	---
MEAN	4.47	4.68	5.09	5.05	6.08	7.18	6.76	10.10	9.35	6.19	3.91	---
MAX	5.19	5.61	5.90	5.40	7.50	9.06	8.57	14.41	13.59	11.60	4.44	4.51
MIN	4.22	3.98	4.66	4.59	5.51	5.59	4.98	5.82	4.89	3.83	3.76	3.74

07349000 BAYOU DORCHEAT NEAR MINDEN, LA.

LOCATION.--Lat 32°35'55", long 93°19'59", in NE1/4NW1/4 sec.31, T.19 N., R.9 W., Webster Parish, Hydrologic Unit 11130203, on left bank 500 ft (152 m) upstream from bridge on U.S. Highway 80, 0.7 mi (1.1 km) upstream from Louisiana and Arkansas Railway Co. bridge, 3.0 mi (4.8 km) west of Minden, and 28 mi (45 km) upstream from Lake Bistineau dam.

DRAINAGE AREA.--1,097 mi^2 (2,841 km^2).

PERIOD OF RECORD.--July 1928 to September 1931, October 1936 to September 1979. October 1979 to current year (annual maximum and gage heights only). Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1241: 1941.

GAGE.--Water-stage recorder. Datum of gage is 133.75 ft (40.767 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 1, 1940, nonrecording gage at same site and datum. July 29, 1953, to Sept. 30, 1979, supplementary water-stage recorder 4.6 mi (7.4 km) upstream from base gage at different datum.

REMARKS.--Gage heights affected by Lake Bistineau.

AVERAGE DISCHARGE.--46 years (water years 1929-31, 1937-79), 1,111 ft^3/s (31.46 m^3/s), 13.75 in/yr (349 mm/yr), 804,900 acre-ft/yr (992 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,800 ft^3/s (1,270 m^3/s) May 1, 1958, gage height, 24.90 ft (7.590 m); no flow at times in 1954, 1956, 1964, 1969, 1972, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,900 ft^3/s (139 m^3/s) May 24, gage height, 14.30 ft (4.359 m); minimum gage height, 0.82 ft (0.250 m) Oct. 25, 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.65	1.06	1.65	1.43	1.75	2.59	4.77	5.66	11.07	7.33	7.24	---
2	1.59	1.08	1.60	1.40	1.79	3.30	5.00	5.68	10.43	7.30	7.25	---
3	1.52	1.15	1.55	1.39	1.84	3.79	5.20	5.86	9.95	7.28	7.23	7.18
4	---	1.22	1.49	1.39	1.83	4.84	5.28	6.09	9.84	7.26	7.20	7.54
5	---	1.25	1.46	1.36	1.96	5.70	5.22	6.16	9.44	7.25	7.18	7.51
6	---	1.25	1.43	1.37	2.01	6.06	5.24	6.09	10.01	7.55	7.16	7.46
7	---	1.21	1.42	1.48	2.00	6.04	5.29	6.03	10.11	7.46	7.19	7.41
8	---	.98	1.42	1.49	2.08	5.92	5.30	6.02	10.39	7.44	7.19	7.36
9	---	.97	1.47	1.49	2.13	5.74	5.27	6.13	10.73	7.49	7.14	7.34
10	---	.94	1.47	1.47	2.23	5.51	5.24	6.49	11.03	7.62	7.12	7.30
11	---	.92	1.46	1.47	2.57	5.24	5.27	6.54	11.30	7.76	7.09	7.28
12	1.04	.90	1.44	1.51	3.02	5.03	5.32	6.73	11.59	7.99	7.08	7.26
13	1.00	.87	1.44	1.52	3.61	4.88	5.39	6.96	11.89	8.16	7.05	7.25
14	.99	.86	1.46	1.55	3.99	4.71	5.40	7.22	12.04	8.34	7.04	7.22
15	---	.86	1.47	1.61	3.92	4.55	5.33	7.33	11.93	8.42	7.02	7.21
16	---	---	1.47	1.65	3.53	4.40	5.30	7.40	11.58	8.31	7.02	7.16
17	---	---	1.57	1.66	3.21	4.29	5.27	7.68	11.00	7.96	6.96	7.14
18	---	---	1.80	1.66	3.02	4.31	5.22	8.04	10.32	7.66	6.96	7.11
19	---	---	1.91	1.63	2.88	4.16	5.35	8.66	9.50	7.53	6.94	7.10
20	.89	---	1.91	1.67	2.76	4.14	5.35	9.48	8.65	7.46	6.92	7.09
21	.87	---	1.87	1.69	2.65	4.16	5.33	10.88	8.16	7.40	6.90	7.07
22	.85	---	1.82	1.70	2.75	4.19	5.37	12.71	7.93	7.35	6.88	7.06
23	.85	---	1.76	1.67	2.62	4.14	5.38	13.77	7.79	7.32	6.86	7.04
24	.84	---	1.71	1.62	2.54	4.16	5.56	14.24	7.73	7.29	6.88	7.03
25	.83	1.48	1.63	1.65	2.52	4.16	5.58	14.25	7.62	7.27	6.87	7.01
26	.82	1.61	1.58	1.68	2.54	4.17	5.59	14.13	7.52	7.26	---	7.00
27	.83	1.73	1.53	1.67	2.53	4.21	5.60	13.64	7.45	7.21	---	6.99
28	.94	1.78	1.50	1.63	2.54	4.20	5.61	13.10	7.40	7.31	---	6.96
29	.98	1.73	1.48	1.62	---	4.27	5.62	12.57	7.37	7.29	---	6.95
30	1.01	1.67	1.47	1.65	---	4.49	5.62	12.02	7.34	7.28	---	6.94
31	1.03	---	1.44	1.73	---	4.63	---	11.54	---	7.27	---	---
MEAN	---	---	1.57	1.56	2.60	4.58	5.34	9.00	9.64	7.54	---	---
MAX	1.65	1.78	1.91	1.73	3.99	6.06	5.62	14.25	12.04	8.42	7.25	7.54
MIN	.82	---	1.42	1.36	1.75	2.59	4.77	5.66	7.34	7.21	---	---

07349250 LAKE BISTINEAU NEAR RINGGOLD, LA

LOCATION.--Lat 32°19'46", long 93°26'10", in SE1/4NW1/4 sec.31, T.16 N., R.10 W., Bossier Parish, Hydrologic Unit 11140203, 40 ft (12 m) upstream from spillway near right bank on upstream side of bridge on State Highway 154, 9.0 mi (14.5 km) west of Ringgold, and 17.0 mi (27.4 km) upstream from mouth.

DRAINAGE AREA.--1,443 mi2 (3,737 km2).

PERIOD OF RECORD.--October 1968 to current year (gage heights only).

REVISED RECORDS.--WRD LA-1971: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 130.00 ft (39.624 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by an earthfill dam containing a 1,200-ft (370-m) concrete spillway equipped with twelve adjustable gates and a fish ladder. Each gate is 6.0 ft (1.83 m) wide and 5.0 ft (1.52 m) high and fits into a notch along the spillway crest. The 1.75-ft (0.533-m) thick spillway crest is flat and has an invert at 11 ft (3.4 m) gage height with invert of the notches at 6 ft (1.8 m) gage height. The fish ladder is 4 ft (1.2 m) wide and begins flowing at 4.1 ft (1.25 m) gage height. Capacity at spillway crest is 120,000 acre-ft (148 hm3). Dam was completed in 1935 and enlarged in 1951. Reservoir is used for flood control and conservation. The gates were closed Jan. 13 except for one which remained partially open all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.56 ft (4.438 m) Feb. 8, 1975; minimum, 3.72 ft (1.134 m) Nov. 29, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.12 ft (3.694 m) May 26; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.34	4.24	4.10	---	4.60	5.88	8.21	9.55	11.84	11.05	11.00	10.68
2	5.27	4.22	4.12	---	4.60	6.04	8.26	9.47	11.77	11.04	11.01	10.82
3	5.20	4.19	4.15	---	4.60	6.11	8.27	9.46	11.80	11.01	10.98	10.92
4	5.07	4.18	4.10	---	4.63	6.27	8.30	9.50	11.80	10.99	10.96	11.29
5	5.07	4.13	4.08	---	4.68	6.44	8.43	9.62	11.76	10.97	10.94	11.28
6	4.99	4.11	4.08	---	4.75	6.62	8.48	9.66	11.91	11.07	10.92	11.24
7	4.91	4.07	4.05	4.05	4.71	6.78	8.51	9.71	11.89	11.10	10.92	11.17
8	4.86	4.06	4.05	4.14	4.79	6.93	8.53	9.70	11.82	11.13	10.93	11.18
9	4.80	4.03	4.19	4.15	4.80	7.05	8.60	9.81	11.75	11.14	10.90	11.11
10	4.75	4.04	4.22	4.19	4.89	7.15	8.66	10.06	11.74	11.15	10.88	11.07
11	4.74	4.04	4.14	4.15	5.05	7.27	8.71	10.19	11.76	11.15	10.86	11.04
12	---	4.00	4.13	4.17	5.02	7.35	8.74	10.27	11.74	11.26	10.85	11.02
13	---	3.97	4.13	4.13	5.08	7.43	8.80	10.31	11.75	11.26	10.83	11.00
14	---	3.96	4.13	4.18	5.15	7.51	8.83	10.45	11.77	11.27	10.80	10.98
15	---	4.02	4.09	4.20	5.22	7.50	8.91	10.52	11.80	11.30	10.76	10.97
16	---	4.11	4.09	4.22	5.29	7.61	8.90	10.58	11.81	11.31	10.75	10.98
17	---	4.10	4.09	4.28	5.36	7.64	8.91	10.77	11.77	11.30	10.76	10.95
18	4.52	4.13	4.05	4.22	5.42	7.66	8.94	10.90	11.73	11.26	10.76	10.91
19	4.49	4.09	4.10	4.24	5.43	7.70	9.05	11.14	11.66	11.22	10.74	10.87
20	---	4.06	4.22	4.33	5.50	7.71	9.07	11.30	11.56	11.16	10.71	10.84
21	---	4.05	4.11	4.32	5.51	7.72	9.12	11.40	11.48	11.14	10.68	10.83
22	---	4.04	4.05	4.35	5.57	7.81	9.09	11.54	11.39	11.11	10.66	10.81
23	---	4.04	4.06	4.35	5.62	7.84	9.24	11.70	11.35	11.07	10.63	10.81
24	4.29	4.04	4.13	4.37	5.69	7.83	9.32	11.84	11.34	11.05	10.65	10.80
25	4.21	4.10	4.13	4.37	5.71	7.85	9.34	11.96	11.28	11.03	10.62	10.78
26	4.19	4.12	4.03	4.40	5.74	7.86	9.36	12.10	11.23	11.01	10.60	10.75
27	4.08	4.10	4.04	4.44	5.76	7.86	9.37	12.10	11.19	10.97	10.71	10.74
28	4.39	4.11	4.03	4.44	5.75	7.87	9.37	12.06	11.13	11.04	10.70	10.74
29	4.40	4.12	4.02	4.43	---	8.03	9.39	12.00	11.10	11.03	10.71	10.73
30	4.32	4.12	4.02	4.50	---	8.09	9.38	11.94	11.06	11.07	10.69	10.70
31	4.27	---	3.99	4.49	---	8.12	---	11.91	---	11.04	10.68	---
MEAN	---	4.09	4.09	---	5.18	7.34	8.87	10.76	11.60	11.12	10.79	10.93
MAX	5.34	4.24	4.22	4.50	5.76	8.12	9.39	12.10	11.91	11.31	11.01	11.29
MIN	4.08	3.96	3.99	---	4.60	5.88	8.21	9.46	11.06	10.97	10.60	10.68

07349374 FLAT RIVER NEAR CURTIS, LA

LOCATION.--Lat 32°26'20", long 93°37'37", in NW1/4NW1/4 sec.29, T.17 N., R.12 W., Bossier Parish, Hydrologic Unit 22240204, near left bank on downstream side of bridge on State Highway 612, 1.0 (1.6 km) east of Curtis.

DRAINAGE AREA.--Indeterminate (see REMARKS).

PERIOD OF RECORD.--March 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 155 ft (47.2 m), from topographic map.

REMARKS.--Record good. Interconnecting system of drainage ditches above station produces an interchange of flow which makes the drainage area indeterminable. Bodcau-Red Chute Bayou and Flat River basins are connected by canal upstream. Some regulation by several upstream lakes and reservoirs, combined capacity about 388,000 acre-ft (478 hm^3). Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft^3/s (34.6 m^3/s) Apr. 14, 1980, gage height, 17.39 ft (5.300 m); minimum daily discharge, 1.7 ft^3/s (0.048 m^3/s) Jan. 3, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,010 ft^3/s (28.6 m^3/s) June 6, gage height, 15.78 ft (4.810 m); minimum daily discharge, 1.7 ft^3/s (0.048 m^3/s) Jan. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	6.3	6.0	2.2	9.0	56	12	60	11	4.8	6.8	80
2	9.9	5.3	5.0	1.9	34	150	8.6	26	35	4.8	6.5	126
3	8.4	4.4	4.0	1.7	17	54	7.5	13	107	4.9	5.8	197
4	6.6	3.5	3.0	1.9	11	112	6.7	9.1	233	4.8	5.4	321
5	5.4	3.0	3.0	1.9	10	91	7.4	11	623	10	4.8	80
6	4.9	2.8	2.5	3.2	17	34	6.2	11	912	23	4.3	30
7	4.8	2.5	2.5	17	14	19	5.6	9.0	694	13	4.2	17
8	4.6	2.1	4.0	9.5	9.6	13	5.4	8.2	481	16	4.4	10
9	6.4	2.1	6.0	5.9	8.3	10	5.2	288	250	11	4.8	7.7
10	9.2	2.2	7.0	4.6	111	8.8	4.8	686	108	9.7	4.1	6.5
11	11	2.6	6.0	3.8	194	7.9	4.8	190	57	8.8	3.5	5.4
12	11	2.9	5.0	3.5	86	7.3	4.9	59	32	7.0	3.0	4.4
13	11	2.8	4.8	3.4	47	6.6	4.9	36	52	6.1	3.1	3.9
14	11	3.9	4.8	3.1	25	6.8	4.8	38	32	5.4	3.0	3.6
15	10	4.8	4.5	2.9	16	5.3	4.9	23	20	6.1	2.8	3.2
16	10	7.7	4.0	2.8	12	4.9	5.0	58	16	7.3	3.6	2.9
17	12	70	3.6	2.8	9.8	4.8	5.8	105	14	6.1	10	2.7
18	41	30	3.2	2.7	8.9	4.8	5.7	105	12	5.0	15	3.0
19	21	10	3.3	3.4	8.0	4.5	10	160	10	4.3	10	3.5
20	10	6.0	3.0	6.6	7.2	4.9	8.3	37	9.5	3.6	7.2	4.0
21	7.4	4.0	2.8	14	7.2	5.2	7.2	22	8.6	3.0	5.7	4.1
22	6.4	3.0	2.5	8.1	60	7.1	6.1	16	7.6	2.8	4.7	3.8
23	5.7	2.5	2.3	5.8	20	8.0	15	12	7.2	2.6	4.3	3.7
24	4.7	4.0	2.3	4.8	9.6	6.5	22	11	7.1	2.4	3.9	4.4
25	3.7	3.0	2.3	4.2	8.0	6.0	11	12	7.0	2.4	3.7	4.7
26	3.9	10	2.3	4.1	7.2	5.6	8.0	32	6.9	2.2	4.3	4.8
27	13	15	2.3	4.2	6.3	5.1	6.5	25	6.4	3.7	42	4.7
28	53	10	2.2	4.1	5.6	5.0	5.7	19	5.8	4.3	46	4.4
29	19	8.0	2.2	3.8	---	33	5.2	16	5.3	6.6	23	4.3
30	9.3	7.0	2.4	3.9	---	77	30	13	5.0	13	17	3.9
31	7.6	---	3.6	4.0	---	24	---	12	---	12	13	---
TOTAL	352.9	241.4	112.4	145.8	778.7	788.1	245.2	2122.3	3775.4	216.7	279.9	954.6
MEAN	11.4	8.05	3.63	4.70	27.8	25.4	8.17	68.5	126	6.99	9.03	31.8
MAX	53	70	7.0	17	194	150	30	686	912	23	46	321
MIN	3.7	2.1	2.2	1.7	5.6	4.5	4.8	8.2	5.0	2.2	2.8	2.7
AC-FT	700	479	223	289	1540	1560	486	4210	7490	430	555	1890

WTR YR 1981 TOTAL 10013.4 MEAN 27.4 MAX 912 MIN 1.7 AC-FT 19860

07349374 FLAT RIVER NEAR CURTIS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.78	---	4.54	4.85	5.99	5.11	6.65	5.14	4.86	5.07	6.90
2	---	4.70	---	4.51	5.84	8.24	4.94	5.70	5.82	4.87	5.04	7.88
3	5.06	4.65	---	4.49	5.12	6.45	4.86	5.20	7.64	4.87	5.00	8.25
4	4.94	4.58	---	4.51	4.87	7.57	4.82	5.01	9.24	4.87	4.97	10.05
5	4.86	4.54	---	4.51	4.81	7.29	4.86	5.11	12.62	5.14	4.93	7.07
6	4.82	4.53	---	4.62	5.15	5.90	4.79	5.14	15.01	5.69	4.90	5.94
7	4.80	4.51	---	5.32	4.99	5.37	4.75	5.00	13.29	5.34	4.89	5.50
8	4.79	4.47	---	4.95	4.78	5.12	4.74	4.95	11.50	5.42	4.91	5.26
9	4.90	4.47	---	4.72	4.71	4.98	4.73	8.99	9.41	5.25	4.93	5.13
10	5.09	4.48	---	4.63	6.96	4.88	4.71	13.20	7.64	5.22	4.89	5.05
11	5.16	4.52	---	4.58	8.82	4.83	4.71	8.64	6.57	5.17	4.85	4.97
12	5.18	4.54	---	4.56	7.22	4.79	4.72	6.61	5.94	5.06	4.81	4.90
13	5.19	4.53	---	4.55	6.24	4.74	4.72	6.02	6.46	5.00	4.82	4.87
14	5.16	4.60	---	4.53	5.52	4.76	4.72	6.10	5.92	4.97	4.81	4.85
15	5.13	4.66	---	4.52	5.13	4.67	4.72	5.58	5.53	5.01	4.80	4.82
16	5.13	4.86	---	4.51	4.95	4.64	4.73	6.51	5.37	5.10	4.84	4.76
17	5.21	---	4.64	4.51	4.84	4.63	4.79	7.61	5.28	5.02	5.24	4.74
18	6.17	---	4.62	4.50	4.79	4.64	4.78	7.32	5.21	4.95	5.43	4.81
19	5.54	---	4.62	4.55	4.74	4.62	5.06	8.24	5.15	4.90	5.26	4.84
20	5.10	---	4.61	4.76	4.68	4.65	4.95	6.05	5.12	4.85	5.09	4.88
21	4.91	---	4.59	5.17	4.69	4.68	4.88	5.55	5.05	4.82	4.99	4.89
22	4.84	---	4.57	4.87	6.59	4.81	4.81	5.33	5.00	4.80	4.93	4.87
23	4.79	---	4.55	4.71	5.34	4.86	5.25	5.19	4.97	4.79	4.90	4.86
24	4.72	---	4.55	4.64	4.86	4.78	5.57	5.10	4.98	4.77	4.87	4.91
25	4.64	---	4.55	4.60	4.77	4.75	5.11	5.15	4.97	4.77	4.86	4.93
26	4.65	---	4.55	4.60	4.71	4.71	4.93	5.91	4.97	4.75	4.90	4.93
27	5.09	---	4.55	4.60	4.67	4.69	4.84	5.68	4.94	4.86	6.16	4.93
28	6.49	---	4.54	4.60	4.62	4.69	4.78	5.44	4.91	4.90	6.36	4.91
29	5.43	---	4.54	4.58	---	5.67	4.75	5.31	4.88	5.03	5.71	4.90
30	4.99	---	4.56	4.58	---	7.02	5.62	5.21	4.87	5.33	5.49	4.87
31	4.87	---	4.64	4.59	---	5.59	---	5.18	---	5.33	5.37	---
MEAN	---	---	---	4.64	5.33	5.32	4.89	6.22	6.78	5.02	5.10	5.48
MAX	6.49	---	---	5.32	8.82	8.24	5.62	13.20	15.01	5.69	6.36	10.05
MIN	4.64	4.47	4.54	4.49	4.62	4.62	4.71	4.95	4.87	4.75	4.80	4.74

07349500 BODCAU BAYOU NEAR SAREPTA, LA

LOCATION.--Lat 32°54'18", long 93°28'58", in NE1/4 NE1/4 sec.15, T. 22 N., R.11 W., Bossier-Webster Parish line, Hydrologic Unit 11130105, on left bank on downstream side of bridge on State Highway 2, 2.1 mi (3.4 km) northwest of Sarepta, and 9.5 mi (15.3 km) upstream from Caney Creek.

DRAINAGE AREA.--546 mi^2 (1,414 km^2).

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft (53.008 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Water used by paper mill at Springhill is pumped from wells and discharged later as waste into bayou approximately 8 mi (13 km) above station. This discharge is not continuous but is stored in a reservoir and is released whenever the flow of bayou is sufficient to dilute this effluent. Some diversion and regulation by Lake Erling (usable capacity, 79,000 acre-ft or 97.4 km^3) 15 mi (24 km) upstream. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--43 years, 572 ft^3/s (16.20 m^3/s), 414,400 acre-ft/yr (511 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft^3/s (527 m^3/s) May 2, 1958, gage height, 25.14 ft (7.663 m); minimum, 0.1 ft^3/s (0.003 m^3/s) at times in 1939, 1943, 1952, and 1954; minimum gage height, 1.43 ft (0.436 m) Aug. 14-19, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 22, 23, 1930, exceeded 25 ft (7.6 m) and flood in 1905 may have reached a stage of 27 ft (8.2 m) from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,970 ft^3/s (84.1 m^3/s) May 20, gage height, 16.15 ft (4.923 m); no peak above base of 3,000 ft^3/s (85 m^3/s); minimum, 7.5 ft^3/s (0.121 m^3/s) Oct. 16, 17, gage height, 2.15 ft (0.655 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	21	37	49	79	223	202	110	968	80	72	33
2	20	26	35	48	94	356	157	113	843	73	70	32
3	17	51	34	48	94	374	134	109	782	71	68	34
4	15	57	34	48	85	341	130	104	804	74	66	35
5	14	57	35	47	76	279	144	104	940	142	64	33
6	13	57	36	52	74	232	228	105	1260	158	62	31
7	12	56	35	65	72	202	302	104	1810	138	60	29
8	12	55	30	70	71	182	319	100	2370	114	58	28
9	11	54	33	66	70	172	304	141	2310	108	57	27
10	11	55	43	61	215	169	299	280	2230	127	55	26
11	10	57	56	58	273	171	312	297	2120	162	53	25
12	9.7	57	49	55	233	146	323	253	2030	203	51	24
13	9.4	57	39	54	160	97	324	189	1970	246	49	23
14	8.9	57	34	54	115	81	320	175	1870	299	48	23
15	8.3	58	34	54	100	82	302	165	1710	343	46	23
16	7.7	60	34	54	94	85	276	407	1540	361	46	24
17	16	90	35	54	90	87	238	889	1390	332	47	24
18	25	112	38	54	89	89	193	2510	1230	272	44	22
19	30	119	41	54	87	88	162	2860	1070	210	43	21
20	24	100	43	59	85	88	141	2950	880	161	43	20
21	16	84	46	65	85	89	127	2840	702	129	41	18
22	13	76	49	67	94	89	118	2650	535	110	40	17
23	12	67	50	71	98	89	113	2450	399	97	39	16
24	11	45	50	73	96	90	109	2270	307	90	37	16
25	9.9	32	50	72	91	90	106	2140	255	85	37	15
26	9.6	30	52	70	88	88	100	2010	210	85	36	15
27	36	33	51	65	86	87	95	1820	180	80	38	15
28	59	37	50	61	89	86	91	1550	152	80	37	14
29	72	39	50	60	---	106	105	1390	115	78	37	14
30	49	39	50	59	---	154	106	1280	93	76	35	14
31	30	---	50	59	---	215	---	1110	---	74	33	---
TOTAL	615.5	1738	1303	1826	2983	4727	5880	33475	33075	4658	1512	691
MEAN	19.9	57.9	42.0	58.9	107	152	196	1080	1103	150	48.8	23.0
MAX	72	119	56	73	273	374	324	2950	2370	361	72	35
MIN	7.7	21	30	47	70	81	91	100	93	71	33	14
AC-FT	1220	3450	2580	3620	5920	9380	11660	66400	65600	9240	3000	1370

CAL YR 1980 TOTAL 228987.3 MEAN 626 MAX 3350 MIN 5.1 AC-FT 454200
WTR YR 1981 TOTAL 92483.5 MEAN 253 MAX 2950 MIN 7.7 AC-FT 183400

07349500 BODCAU BAYOU NEAR SAREPTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.66	2.65	3.26	3.61	4.17	5.89	5.65	4.34	11.22	4.23	---	2.86
2	2.56	2.77	3.22	3.60	4.41	7.11	5.11	4.38	10.49	4.14	---	2.84
3	2.46	3.38	3.19	3.59	4.40	7.25	4.79	4.33	10.11	4.11	---	2.89
4	2.40	3.52	3.20	3.59	4.25	7.00	4.74	4.24	10.19	4.17	3.63	2.93
5	2.38	3.52	3.23	3.57	4.10	6.48	4.93	4.24	11.05	5.17	3.58	2.87
6	2.35	3.52	3.26	3.68	4.05	6.03	5.91	4.26	12.65	5.41	3.55	2.82
7	2.32	3.50	3.26	3.92	4.03	5.72	6.63	4.24	14.14	5.19	3.51	2.78
8	2.30	3.49	3.13	4.00	4.01	5.50	6.78	4.17	15.12	4.89	3.46	2.75
9	2.28	3.48	3.20	3.95	3.99	5.38	6.65	4.74	15.30	4.79	3.44	2.72
10	2.27	3.51	3.45	3.86	5.82	5.35	6.60	6.40	15.19	5.02	3.41	2.69
11	2.25	3.55	3.74	3.80	6.45	5.36	6.72	6.56	15.01	5.39	3.36	2.66
12	2.24	3.57	3.58	3.75	6.08	5.05	6.81	6.13	14.87	5.79	3.32	2.63
13	2.22	3.56	3.37	3.72	5.31	4.30	6.82	5.42	14.76	6.19	3.28	2.60
14	2.21	3.57	3.25	3.72	4.72	4.03	6.79	5.25	14.58	6.64	3.24	2.59
15	2.18	3.59	3.23	3.72	4.46	4.06	6.62	5.13	14.24	7.00	3.21	2.59
16	2.16	3.64	3.24	3.72	4.35	4.10	6.38	7.39	13.77	7.13	3.13	2.61
17	2.43	4.16	3.27	3.72	4.29	4.13	6.00	10.65	13.20	6.89	3.23	2.62
18	2.72	4.53	3.34	3.72	4.26	4.15	5.49	14.28	12.54	6.35	3.16	2.58
19	2.87	4.63	3.41	3.72	4.23	4.13	5.11	16.01	11.77	5.71	3.14	2.54
20	2.70	4.35	3.47	3.83	4.20	4.13	4.81	16.13	10.71	5.13	3.12	2.51
21	2.47	4.11	3.54	3.95	4.18	4.13	4.61	15.99	9.59	4.68	2.96	2.47
22	2.37	3.98	3.60	3.98	4.34	4.14	4.46	15.75	8.43	4.40	3.05	2.43
23	2.33	3.82	3.62	4.05	4.39	4.12	4.38	15.50	7.44	4.18	3.01	2.40
24	2.29	3.38	3.63	4.09	4.36	4.14	4.32	15.25	6.75	4.05	2.97	2.39
25	2.27	3.09	3.63	4.07	4.28	4.14	4.27	15.05	6.30	3.96	2.97	2.37
26	2.25	3.04	3.65	4.04	4.21	4.11	4.18	14.82	5.88	---	2.95	2.36
27	2.94	3.13	3.65	3.95	4.18	4.08	4.09	14.48	5.58	---	2.99	2.35
28	3.54	3.24	3.63	3.88	4.21	4.06	4.03	14.04	5.27	---	2.97	2.34
29	3.77	3.29	3.62	3.85	---	4.38	4.25	13.47	4.80	---	2.96	2.33
30	3.32	3.29	3.62	3.82	---	5.08	4.27	12.76	4.45	---	2.92	2.32
31	2.89	---	3.62	3.81	---	5.80	---	11.98	---	---	2.87	---
MEAN	2.53	3.56	3.42	3.82	4.49	4.95	5.41	9.59	10.85	---	---	2.59
MAX	3.77	4.63	3.74	4.09	6.45	7.25	6.82	16.13	15.30	7.13	---	2.93
MIN	2.16	2.65	3.13	3.57	3.99	4.03	4.03	4.17	4.45	---	2.87	2.32

07349795 CYPRESS BAYOU ABOVE BENTON, LA

LOCATION.--Lat 32°47'15", long 93°42'27", in SW1/4 NE1/4 sec.28, T.20 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204, near center of span on downstream side of bridge on State Highway 160, 0.7 mi (1.1 km) east of Swindleville, 1.0 mi (1.6 km) northeast of Alden Bridge, and 6.0 mi (9.7 km) north of Benton.

DRAINAGE AREA.--88.9 mi^2 (230.3 km^2).

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 180 ft (55 m), from topographic map.

REMARKS.--Records good. Since October 1961, flow regulated by 3 flood-control reservoirs above station (combined capacity of reservoirs, 1,784 acre-ft or 2.20 hm^3). Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--7 years, 25.4 ft^3/s (0.719 m^3/s), 57,450 acre-ft/yr (70.8 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft^3/s (112 m^3/s) Feb. 3, 1975, gage height, 11.99 ft (3.655 m); minimum, no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 584 ft^3/s (16.5 m^3/s), June 7, gage height, 9.08 (2.768 m); no peaks above base of 900 ft^3/s (25.5 m^3/s); minimum discharge, no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	3.2	.87	7.8	34	60	6.4	15	.23	.15	.00
2	.00	.00	1.6	.97	24	137	33	20	25	.21	.25	.00
3	.00	.00	.90	.99	20	131	22	13	135	.17	.40	.00
4	.00	.00	.67	.74	12	82	17	6.2	194	.20	.30	.00
5	.00	.00	.40	.71	7.1	71	24	4.8	251	139	.20	.00
6	.00	.00	.34	1.3	6.2	61	36	11	510	415	.15	.00
7	.00	.00	.35	4.6	5.9	41	29	12	554	268	.10	.00
8	.00	.00	.37	6.8	6.4	32	19	8.0	454	172	.09	.00
9	.00	.00	1.1	6.5	6.6	27	14	33	321	81	.09	.00
10	.00	.00	3.3	4.6	57	24	11	170	189	30	.08	.00
11	.00	.00	5.3	3.1	133	21	8.7	171	83	15	.08	.00
12	.00	.00	5.4	2.5	78	16	7.5	93	49	56	.07	.00
13	.00	.00	3.3	2.8	36	14	6.3	38	38	54	.06	.00
14	.00	.00	3.3	2.5	24	13	5.1	25	33	28	.06	.00
15	.00	.00	22	1.6	17	12	4.3	29	26	12	.06	.00
16	.00	.00	19	2.1	14	10	3.7	101	18	6.4	.05	.00
17	.00	.00	5.9	2.4	12	9.1	2.7	262	12	3.8	.05	.00
18	.00	.00	2.3	2.1	11	7.8	3.0	328	8.4	2.7	.04	.00
19	.00	.00	1.4	1.6	10	6.8	5.3	372	6.4	1.8	.04	.00
20	.00	6.6	1.1	2.1	9.8	6.1	5.6	286	4.7	1.2	.04	.00
21	.00	3.8	.94	5.3	9.4	6.3	54	161	3.2	.80	.03	.00
22	.00	1.6	.93	7.4	13	6.8	50	68	2.3	.60	.03	.00
23	.00	11	.92	6.9	23	8.3	30	39	1.6	.45	.03	.00
24	.00	19	.71	5.3	18	9.1	31	28	1.3	.30	.02	.00
25	.00	21	.70	4.2	13	7.8	26	23	.73	.20	.02	.00
26	.00	20	.82	3.9	11	6.7	13	39	.70	.30	.01	.00
27	.00	23	.72	3.6	8.9	5.9	5.6	78	.55	.50	.01	.00
28	.00	26	.70	3.1	7.7	5.2	2.8	58	.43	.35	.01	.00
29	.00	21	.78	3.0	---	12	1.8	34	.37	.25	.00	.00
30	.00	8.2	.92	2.9	---	73	1.8	23	.30	.15	.00	.00
31	.00	---	1.1	2.8	---	98	---	17	---	.10	.00	---
TOTAL	.00	161.20	90.47	99.28	601.8	994.9	533.2	2557.4	2937.98	1290.71	2.52	.00
MEAN	.000	5.37	2.92	3.20	21.5	32.1	17.8	82.5	97.9	41.6	.081	.000
MAX	.00	26	22	7.4	133	137	60	372	554	415	.40	.00
MIN	.00	.00	.34	.71	5.9	5.2	1.8	4.8	.30	.10	.00	.00
AC-FT	.00	320	179	197	1190	1970	1060	5070	5830	2560	5.0	.00

CAL YR 1980 TOTAL 26549.62 MEAN 72.5 MAX 1200 MIN .00 AC-FT 52660
WTR YR 1981 TOTAL 9269.46 MEAN 25.4 MAX 554 MIN .00 AC-FT 18390

NOTE: Below lowest recordable stage -0.52 ft Oct. 1-26, Nov. 5-16.

07349795 CYPRESS BAYOU ABOVE BENTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		-.46	2.90	2.58	3.01	3.70	4.37	2.76	3.20	2.09	---	1.82
2		-.48	2.73	2.60	3.61	5.76	3.76	3.35	3.47	2.07	---	1.81
3		-.49	2.62	2.60	3.46	5.66	3.38	3.11	5.71	2.04	---	1.83
4		-.50	2.57	2.55	3.16	4.87	3.20	2.81	6.54	2.06	---	1.84
5			2.48	2.54	2.96	4.69	3.46	2.72	7.10	5.21	---	1.81
6			2.44	2.63	2.90	4.49	3.84	3.04	8.89	8.37	---	1.77
7			2.45	2.95	2.87	4.08	3.60	3.09	8.98	7.31	---	1.73
8			2.46	3.08	2.89	3.79	3.29	2.91	8.56	6.25	---	1.70
9			2.66	3.07	2.89	3.62	3.09	3.60	7.77	4.79	---	1.67
10			2.91	2.94	4.20	3.54	2.99	6.23	6.47	3.68	---	1.62
11			3.05	2.83	5.70	3.44	2.89	6.24	4.84	3.21	---	1.58
12			3.06	2.77	4.80	3.29	2.84	5.01	4.19	4.31	---	1.55
13			2.91	2.80	3.96	3.21	2.78	3.93	3.95	4.29	---	1.51
14			2.91	2.77	3.58	3.14	2.71	3.53	3.81	3.63	---	1.47
15			3.72	2.66	3.35	3.10	2.66	3.67	3.58	3.10	---	1.44
16			3.62	2.72	3.23	3.05	2.61	5.07	3.29	2.83	---	1.41
17		-.18	3.07	2.75	3.16	2.99	2.53	7.27	3.06	2.66	---	1.36
18		-.14	2.82	2.71	3.11	2.93	2.55	7.85	2.93	2.58	---	1.30
19		.16	2.69	2.65	3.08	2.87	2.72	8.19	2.82	2.48	---	1.26
20		3.12	2.65	2.69	3.05	2.84	2.75	7.49	2.73	2.39	---	1.22
21		2.95	2.62	2.94	3.03	2.85	4.18	6.08	2.62	2.32	---	1.18
22		2.74	2.62	3.06	3.16	2.87	4.18	4.57	2.53	2.25	---	1.14
23		3.32	2.60	3.03	3.53	2.95	3.66	3.97	2.46	---	---	1.10
24		3.62	2.56	2.94	3.34	2.97	3.70	3.64	2.41	---	---	1.06
25		3.67	2.56	2.86	3.18	2.91	3.53	3.48	2.36	---	---	1.01
26		3.66	2.58	2.83	3.08	2.86	3.07	3.93	2.30	---	---	.98
27	-.48	3.75	2.56	2.80	3.00	2.82	2.75	4.75	2.25	---	---	.93
28	-.43	3.85	2.55	2.77	2.95	2.76	2.56	4.38	2.21	---	1.91	.89
29	-.42	3.68	2.57	2.75	---	3.05	2.46	3.82	2.18	---	1.88	.86
30	-.43	3.20	2.59	2.74	---	4.64	2.46	3.48	2.14	---	1.84	.82
31	-.45	---	2.63	2.72	---	5.06	---	3.27	---	---	1.82	---
MEAN	---	---	2.75	2.78	3.37	3.57	3.15	4.43	4.18	---	---	1.39
MAX	-.42	3.85	3.72	3.08	5.70	5.76	4.37	8.19	8.98	8.37	---	1.84
MIN	---	---	2.44	2.54	2.87	2.76	2.46	2.72	2.14	---	1.82	.82

07349815 CYPRESS BAYOU LAKE NEAR BENTON, LA

LOCATION.--Lat 32°39'07", long 93°40'11", in NE1/4SW1/4 sec.12, T.19 N., R.13 W., Webster Parish, Hydrologic Unit 11140204, attached to pier of catwalk to diversion structure about 4,500 ft (1,400 m) northwest of spillway, and 5.0 mi (8.0 km) southeast of Benton.

DRAINAGE AREA.--163 mi^2 (422 km^2).

PERIOD OF RECORD.--January 1975 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 170.00 ft (51.816 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by a 6,000-ft (1,860 m) earthfill dam on Cypress Bayou. The 250-ft (76.2 m) concrete spillway with crest at 9.60 ft (2.936 m), gage datum, is located at left end of dam. Capacity at spillway crest, 25,000 acre-ft (30.8 hm^3). A 6- by 6-ft (1.8- by 1.8 m) sluice gate with still at -15.5 ft (-4.724 m), gage datum, is located at diversion structure 4,500 ft (1,400 m) northwest of spillway. Water from Cypress Bayou Lake is diverted into Black Bayou Lake by way of this structure. Dam completed and storage began in 1975. Reservoir is used for flood control, conservation, and recreation. Gates closed throughout the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.73 ft (3.575 m) May 5, 1979; minimum gage height, below lowest recordable stage of 0.74 ft (0.226 m) in 1975 and 1976 water years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.43 ft (3.179 m) June 8; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.89	7.78	7.94	7.94	8.11	8.96	9.64	9.64	9.74	9.46	9.01	8.41
2	7.90	7.78	7.95	7.93	8.10	9.05	9.65	9.61	9.73	9.41	---	8.43
3	7.88	7.77	7.94	7.93	8.10	9.13	9.62	9.58	9.78	9.58	---	8.55
4	7.82	7.77	7.93	7.93	8.11	9.27	9.65	9.58	9.84	9.57	---	8.57
5	7.81	7.76	7.93	7.91	8.12	9.36	9.63	9.59	10.03	9.64	8.60	---
6	7.78	7.75	7.93	7.92	8.14	9.39	9.61	9.60	10.31	9.85	8.58	---
7	7.77	7.73	7.93	7.98	8.14	9.44	9.60	9.58	10.39	10.05	8.58	---
8	7.76	7.73	7.93	7.97	8.15	9.47	9.59	9.56	10.42	10.15	8.56	---
9	7.76	7.74	7.99	7.99	8.15	9.50	9.60	9.60	10.36	10.10	8.52	---
10	7.75	7.73	7.99	7.99	8.44	9.50	9.60	9.67	10.28	9.99	8.50	---
11	7.77	7.74	7.98	7.99	8.56	9.51	9.60	9.71	10.16	9.90	8.48	---
12	7.71	7.72	7.97	7.99	8.62	9.52	9.59	9.76	10.02	9.85	8.47	---
13	7.69	7.71	7.98	7.97	8.67	9.53	9.59	9.76	9.93	9.81	8.45	---
14	7.68	7.70	7.98	7.98	8.70	9.54	9.58	9.73	9.85	9.78	8.42	---
15	7.65	7.70	7.99	7.98	8.72	9.52	9.58	9.72	9.79	9.74	8.41	---
16	7.63	7.71	7.98	7.98	8.73	9.54	9.54	9.79	9.76	9.70	8.39	---
17	7.64	7.82	8.01	7.98	8.74	9.53	9.53	9.81	9.70	9.67	8.46	---
18	7.77	7.82	8.00	7.96	8.75	9.55	9.53	9.87	9.67	9.63	8.46	---
19	7.79	7.80	8.06	7.96	8.76	9.50	9.53	9.17	9.64	9.61	8.45	---
20	7.76	7.79	8.01	8.01	8.76	9.48	9.53	10.01	9.61	9.58	8.43	---
21	7.74	7.78	7.99	8.01	8.77	9.48	9.53	10.02	9.57	9.56	8.41	---
22	7.73	7.78	7.98	8.01	8.84	9.51	9.53	9.96	9.57	9.53	8.39	---
23	7.72	7.82	7.97	8.01	8.83	9.50	9.60	9.87	9.56	9.52	8.37	---
24	7.71	7.82	7.98	8.02	8.85	9.47	9.62	9.83	9.56	9.50	8.35	---
25	7.69	7.82	7.97	8.00	8.85	9.47	9.62	9.73	9.55	9.48	8.33	---
26	7.67	7.85	7.95	8.02	8.85	9.47	9.61	9.80	9.53	9.44	8.32	---
27	7.63	7.90	7.95	8.03	8.86	9.45	9.60	9.77	9.51	9.42	8.39	---
28	7.82	7.91	7.95	8.03	8.86	9.45	9.58	9.78	9.48	9.42	8.43	---
29	7.83	7.92	7.95	8.02	---	9.54	9.58	9.77	9.46	9.40	8.41	---
30	7.80	7.92	7.94	8.04	---	9.55	9.57	9.75	9.43	9.41	8.40	---
31	7.79	---	7.94	8.02	---	9.59	---	9.67	---	9.21	8.38	---
MEAN	7.75	7.79	7.97	7.98	8.55	9.44	9.59	9.72	9.81	9.64	---	---
MAX	7.90	7.92	8.06	8.04	8.86	9.59	9.65	10.02	10.42	10.15	---	---
MIN	7.63	7.70	7.93	7.91	8.10	8.96	9.53	9.17	9.43	9.21	8.32	---

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA

LOCATION.--Lat 32°26'50", long 93°35'40", SW1/4NW1/4 sec. 22, T. 17 N., R. 12 W., Bossier Parish, Hydrologic Unit 11140204, on downstream side of bridge on State Highway 612, 0.5 mi (0.8 km) west of Sligo.

DRAINAGE AREA.--980 mi^2 (2,538 km^2).

PERIOD OF RECORD.--Annual maximums, water years 1960-80. July 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 120.00 ft (36.576 m) National Geodetic Vertical Datum of 1929. Dec. 1, 1959, to Nov. 30, 1966, crest-stage indicator at same site, at datum 120.00 ft (36.576 m) lower. Dec. 1, 1966, to July 10, 1980, crest-stage indicator at same site, at datum 121.76 ft (37.112 m) lower.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water years 1980-81 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 35.01 ft (10.671 m), present datum, June 22, 1979; minimum not determined.

EXTREMES FOR CURRENT PERIOD.--July to September 1980: Maximum discharge, 572 ft^3/s (16.2 m^3/s) July 10; maximum gage height, 30.78 ft (9.382 m) Jan. 22, 1980; minimum, 8.8 ft^3/s (0.25 m^3/s) Sept. 29, gage height, 16.22 ft (4.944 m).

Water year 1981: Maximum discharge, 2,040 ft^3/s (57.8 m^3/s) July 11, gage height, 28.30 ft (8.626 m); minimum, 5.0 ft^3/s (0.14 m^3/s) Nov. 6, gage height, 15.95 ft (4.862 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	49	25
2										---	48	25
3										---	44	24
4										---	39	24
5										---	34	23
6										---	30	23
7										---	29	22
8										---	28	21
9										---	27	21
10										559	25	20
11										526	24	20
12										470	23	20
13										431	22	19
14										386	21	18
15										344	20	18
16										304	19	17
17										250	18	17
18										175	18	16
19										130	19	15
20										95	21	16
21										80	21	16
22										63	21	15
23										54	21	14
24										46	20	12
25										40	19	12
26										37	20	11
27										40	21	10
28										51	21	9.9
29										62	22	9.3
30										65	37	9.6
31										60	28	---
TOTAL										---	809	522.8
MEAN										---	26.1	17.4
MAX										---	49	25
MIN										---	18	9.3
AC-FT										---	1600	1040

07349860 RED CHUTE BAYOU AT SLIGO, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	19	87	49	91	168	165	106	1330	1610	128	107
2	8.7	18	84	50	103	213	169	138	1400	1560	179	73
3	8.8	16	78	46	104	213	166	122	1490	1500	233	200
4	9.3	13	70	46	103	275	170	111	1560	1430	257	171
5	9.6	9.6	63	50	105	281	177	110	1740	1380	226	162
6	9.7	5.4	58	56	109	308	184	110	1900	1350	171	166
7	9.8	7.8	56	65	107	330	189	112	1860	1300	129	158
8	9.6	8.9	53	62	107	361	190	115	1920	1260	111	98
9	9.6	6.7	55	64	116	379	186	249	1980	1230	99	86
10	9.4	5.6	53	66	197	389	180	434	2020	1230	90	58
11	8.9	5.2	45	67	217	394	179	204	2040	1200	80	132
12	8.2	5.2	37	69	219	394	189	252	2020	1160	70	233
13	8.0	5.2	30	69	225	388	218	249	2000	1100	65	309
14	7.6	5.8	27	67	233	379	237	272	1980	1030	60	338
15	7.3	6.2	27	72	246	367	255	294	1970	966	55	341
16	7.4	7.0	29	70	263	350	257	352	1950	882	70	350
17	8.5	15	31	69	275	329	256	395	1940	802	60	348
18	14	22	35	67	279	305	265	424	1930	749	50	346
19	13	19	37	67	275	280	274	532	1920	679	45	343
20	14	21	40	71	267	254	281	602	1900	613	39	340
21	14	21	40	75	255	228	288	504	1890	566	36	331
22	13	20	40	76	254	206	294	585	1870	527	34	305
23	14	20	40	76	226	174	299	672	1850	483	32	298
24	14	19	40	77	203	142	293	767	1830	437	30	286
25	14	20	40	79	180	119	282	885	1810	394	29	273
26	13	32	41	82	157	105	268	1000	1790	353	30	270
27	15	59	41	85	141	97	250	1060	1760	322	47	268
28	20	76	43	86	131	92	228	1120	1730	279	38	266
29	18	83	44	85	---	119	206	1180	1700	244	37	264
30	20	87	46	86	---	166	192	1220	1660	204	36	260
31	20	---	47	85	---	157	---	1280	---	149	37	---
TOTAL	365.7	658.6	1457	2134	5188	7972	6787	15456	54740	26989	2603	7180
MEAN	11.8	22.0	47.0	68.8	185	257	226	499	1825	871	84.0	239
MAX	20	87	87	86	279	394	299	1280	2040	1610	257	350
MIN	7.3	5.2	27	46	91	92	165	110	1330	149	29	58
AC-FT	725	1310	2890	4230	10290	15810	13460	30660	108600	53530	5160	14240

WTR YR 1981 TOTAL 131530.3 MEAN 360 MAX 2040 MIN 5.2 AC-FT 260900

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	17.26	16.77
2										---	17.24	16.76
3										---	17.17	16.75
4										---	17.08	16.73
5										---	16.98	16.71
6										---	16.91	16.69
7										---	16.87	16.66
8										---	16.85	16.64
9										---	16.82	16.63
10										21.60	16.78	16.59
11										21.36	16.73	16.57
12										21.04	16.70	16.56
13										20.74	16.66	16.53
14										20.43	16.61	16.50
15										20.10	16.57	16.47
16										19.77	16.52	16.46
17										---	16.48	16.45
18										---	16.48	16.42
19										---	16.54	16.40
20										---	16.60	16.44
21										17.61	16.62	16.46
22										17.48	16.61	16.42
23										17.33	16.60	16.36
24										17.20	16.57	16.32
25										17.11	16.55	16.30
26										17.05	16.56	16.28
27										17.08	16.61	16.26
28										17.29	16.63	16.24
29										17.14	16.66	16.23
30										17.18	17.02	16.25
31										17.23	16.85	---
MEAN										---	16.75	16.50
MAX										---	17.26	16.77
MIN										---	16.48	16.23

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.23	16.53	17.82	17.25	17.86	18.62	18.61	18.62	25.45	26.57	18.38	18.09
2	16.21	16.49	17.78	17.27	18.00	19.01	18.64	18.36	25.70	26.37	18.84	17.73
3	16.23	16.43	17.70	17.20	18.02	19.01	18.63	18.20	26.09	26.12	19.28	18.80
4	16.24	16.30	17.60	17.20	18.00	19.53	18.65	18.09	26.37	25.84	19.46	18.76
5	16.25	16.15	17.49	17.26	18.03	19.57	18.70	18.08	27.10	25.63	19.22	18.70
6	16.25	15.97	17.40	17.36	18.07	19.80	18.77	18.08	27.74	25.52	18.77	18.90
7	16.25	16.09	17.36	17.52	18.05	20.05	18.81	18.10	27.57	25.32	18.39	18.66
8	16.24	16.12	17.33	17.48	18.05	20.25	18.81	18.13	27.82	25.15	18.21	18.06
9	16.24	16.03	17.35	17.50	18.14	20.39	18.78	19.26	28.04	25.02	18.08	17.65
10	16.22	15.98	17.31	17.53	18.86	20.46	18.74	20.72	28.21	25.04	---	17.51
11	16.20	15.96	17.18	17.55	19.05	20.50	18.72	19.43	28.28	24.90	---	18.41
12	16.17	15.96	17.03	17.59	19.06	20.49	18.80	19.33	28.21	24.68	---	19.28
13	16.15	15.96	16.90	17.58	19.11	20.45	19.05	19.31	28.11	24.38	---	19.87
14	16.14	15.99	16.83	17.55	19.17	20.39	19.21	19.50	28.04	24.06	---	20.10
15	16.12	16.01	16.83	17.62	19.29	20.30	19.36	19.68	27.98	23.73	---	20.12
16	16.12	16.05	16.86	17.60	19.42	20.15	19.37	20.16	27.94	23.31	---	20.15
17	16.16	16.35	16.92	17.58	19.53	19.98	19.37	20.50	27.90	22.91	---	20.14
18	16.38	16.65	16.99	17.56	19.56	19.78	19.44	20.70	27.85	22.65	---	20.11
19	16.36	16.55	17.05	17.55	19.53	19.56	19.51	21.42	27.79	22.30	---	20.09
20	16.40	16.63	17.09	17.61	19.46	19.35	19.58	21.08	27.74	21.94	---	20.07
21	16.37	16.62	17.11	17.67	19.36	19.13	19.63	21.22	27.67	21.64	17.13	19.99
22	16.35	16.58	17.10	17.67	19.35	18.97	19.68	21.77	27.60	21.38	17.09	19.78
23	16.37	16.57	17.10	17.67	19.12	18.69	19.72	22.26	27.53	21.08	17.06	19.72
24	16.37	16.55	17.10	17.69	18.92	18.40	19.67	22.74	27.45	20.79	17.03	19.62
25	16.35	16.58	17.10	17.71	18.74	18.17	19.59	23.33	27.35	20.52	16.99	19.51
26	16.34	16.94	17.11	17.75	18.54	18.03	19.47	23.91	27.29	20.22	17.02	19.49
27	16.42	17.42	17.12	17.79	18.39	17.93	19.32	24.21	27.17	19.98	17.34	19.47
28	16.59	17.68	17.14	17.80	18.29	17.88	19.13	24.52	27.04	19.64	17.18	19.45
29	16.52	17.76	17.17	17.79	---	18.15	18.93	24.80	26.90	19.36	17.16	19.44
30	16.58	17.81	17.20	17.80	---	18.62	18.83	25.01	26.76	19.05	17.15	19.40
31	16.57	---	17.22	17.78	---	18.54	---	25.24	---	18.58	17.16	---
MEAN	16.30	16.49	17.20	17.56	18.75	19.36	19.12	20.83	27.42	23.02	---	19.24
MAX	16.59	17.81	17.82	17.80	19.56	20.50	19.72	25.24	28.28	26.57	19.46	20.15
MIN	16.12	15.96	16.83	17.20	17.86	17.88	18.61	18.08	25.45	18.58	16.99	17.51

07350000 LOGGY BAYOU NEAR NINOCK, LA

LOCATION.--Lat 32°14'10", long 93°25'35", in SE1/4SE1/4 sec.31, T.15 N., R.10 W., Bienville-Bossier Parish line, Hydrologic Unit 11140203, near center of span on downstream side of bridge on U.S. Highway 71, 0.3 mi (0.5 km) downstream from Flat River, 1.9 mi (3.1 km) southeast of Ninock, and 7.5 mi (12.1 km) upstream from mouth.

DRAINAGE AREA.--2,628 mi^2 (6,807 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1948 to December 1960. January 1961 to September 1964 (annual maximum). January 1961 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 100.26 ft (30.559 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 29, 1949, and June 30 to Sept. 24, 1951, nonrecording gage at same site and datum. Sept. 15, 1955, to Sept. 30, 1964, auxiliary water-stage recorder 6.0 mi (9.7 km) downstream from base gage at datum 100.21 ft (30.544 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 15, 1955, auxiliary nonrecording gage at same site, and prior to Sept. 23, 1953, at datum 9.79 ft (2.984 m) higher.

REMARKS.--Some regulation by Lake Bistineau since 1935 (station 07349250) and of flood flows by Bodcau Bayou Reservoir (capacity, 967,900 acre-ft or 1.19 km^3) since July 1949.

AVERAGE DISCHARGE.--12 years (water years 1949-60), 2,290 ft^3/s (64.85 m^3/s), 1,659,000 acre-ft/yr (2.05 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,600 ft^3/s (923 m^3/s) May 4, 1958; maximum gage height, 47.83 ft (14.579 m) May 8, 1958; minimum discharge, no flow at time (backwater from Red River); minimum gage height, 9.46 ft (2.883 m) Oct. 23-25, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 32.79 ft (9.994 m) June 10-11; minimum, 12.05 ft (3.673 m) Jan. 19, 30, 31.

CORRECTION.--The discharge measurement of 2,360 ft^3/s (66.83 m^3/s) was made on May 16, 1980, instead of May 10, 1980, as reported in WDR LA-80-1.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.67	15.95	14.34	14.82	12.15	15.09	14.26	15.20	24.23	---	15.82	---
2	13.47	16.09	14.20	14.14	12.15	15.31	14.96	15.39	24.50	---	15.55	---
3	17.49	16.90	14.00	13.39	12.24	15.32	15.68	15.53	25.12	---	15.45	---
4	20.51	17.75	13.92	12.89	12.25	15.37	15.75	15.25	25.41	---	15.27	---
5	21.40	17.60	13.83	12.62	13.01	15.06	15.70	14.73	26.29	---	15.20	---
6	21.00	16.97	13.63	12.56	14.29	15.42	15.67	14.37	28.68	---	15.26	---
7	20.15	16.30	13.42	12.56	14.33	17.31	15.42	14.29	30.27	---	15.47	---
8	19.32	15.52	13.31	12.48	13.91	19.85	15.11	14.61	31.45	---	15.20	---
9	18.50	14.49	13.36	12.41	13.39	21.28	14.67	15.31	32.33	---	---	16.32
10	17.78	13.67	13.19	12.37	13.40	21.76	14.25	17.19	32.71	---	---	16.31
11	17.17	13.10	13.23	12.37	14.00	21.53	14.08	17.18	32.61	---	---	15.80
12	16.68	12.65	14.09	12.33	13.88	21.08	14.12	16.69	31.92	---	14.35	15.12
13	16.23	12.43	16.96	12.32	13.30	20.66	14.05	16.62	31.29	---	14.58	14.67
14	15.78	12.38	19.77	12.25	13.45	20.30	13.72	18.00	30.95	---	14.76	14.42
15	15.36	12.34	20.87	12.15	14.04	19.75	13.43	19.79	30.71	---	14.64	14.21
16	14.90	12.38	20.79	12.10	14.78	19.02	13.27	21.00	30.49	---	14.40	14.07
17	14.54	12.50	20.28	12.08	15.59	18.39	13.19	21.70	30.28	---	14.11	14.09
18	14.32	13.22	19.82	12.07	16.27	17.84	13.17	22.43	30.10	---	13.76	14.08
19	13.84	14.72	19.38	12.06	16.65	17.08	13.20	23.07	---	---	13.38	13.97
20	13.44	15.09	18.77	12.08	16.71	16.22	13.19	23.49	---	---	13.28	13.88
21	13.37	15.21	18.01	12.08	16.58	15.65	13.19	23.45	---	---	---	13.86
22	13.58	15.17	17.44	12.10	16.42	15.35	13.17	23.30	---	---	---	13.96
23	13.97	15.07	17.11	12.14	16.31	15.27	13.26	23.23	---	---	---	14.01
24	14.74	14.96	16.80	12.18	16.11	15.12	13.41	23.23	---	17.53	---	13.99
25	15.43	14.75	16.50	12.15	15.95	15.04	13.25	22.97	---	17.34	---	13.94
26	15.82	14.62	16.19	12.10	15.75	15.08	13.10	23.14	---	17.26	---	13.84
27	16.08	14.68	15.87	12.08	15.46	14.97	13.07	23.54	---	17.17	---	13.72
28	16.04	14.74	15.56	12.08	15.14	14.70	13.62	23.88	---	16.98	---	13.58
29	15.89	14.54	15.46	12.09	---	14.55	14.67	24.08	---	16.90	---	13.39
30	15.79	14.38	15.41	12.06	---	14.57	15.11	24.18	---	16.73	---	13.28
31	15.84	---	15.22	12.07	---	14.37	---	24.09	---	16.11	---	---
MEAN	16.16	14.67	16.15	12.43	14.55	17.04	14.09	19.71	---	---	---	---
MAX	21.40	17.75	20.87	14.82	16.71	21.76	15.75	24.18	32.71	---	---	---
MIN	12.67	12.34	13.19	12.06	12.15	14.37	13.07	14.29	---	---	---	13.28

07350000 LOGGY BAYOU NEAR NINOCK, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- Water years 1955-57, 1961, 1969-70, 1976, 1979 to September 1981 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 15...	1415	261	7.2	20.0	15	25	8.1	33	1.8	K30
NOV 12...	1700	373	7.0	18.0	10	25	--	30	--	K33
DEC 02...	1515	285	6.5	13.0	15	20	9.1	26	1.8	--
JAN 15...	1300	416	7.1	8.0	20	10	11.5	47	2.6	K20
FEB 03...	1750	403	7.3	9.0	20	15	10.8	24	1.5	110
MAR 03...	1430	262	6.8	14.0	70	60	8.0	40	--	K3200
APR 07...	1300	274	7.0	22.0	60	25	7.2	47	1.1	K45
MAY 13...	1430	233	6.8	23.0	70	45	6.6	43	.6	420
JUN 09...	1230	186	6.1	27.0	50	10	4.8	31	.3	K20
JUL 14...	1245	148	6.1	30.0	50	10	5.1	40	--	K60
AUG 05...	1445	168	7.7	30.5	60	5.0	6.4	37	.5	100
SEP 02...	1640	273	6.6	27.0	60	130	6.6	49	2.9	960

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 15...	320	66	14	16	6.2	23	2.0	51	10	43
NOV 12...	<10	110	16	27	11	33	2.6	97	23	48
DEC 02...	830	72	22	18	6.6	24	2.8	50	27	36
JAN 15...	120	130	35	32	12	30	1.9	93	36	49
FEB 03...	K30	110	24	28	10	33	2.1	87	35	46
MAR 03...	--	75	22	19	6.8	19	2.7	53	26	31
APR 07...	K15	72	15	18	6.5	25	2.2	57	33	36
MAY 13...	620	54	9	13	5.2	18	3.2	45	14	29
JUN 09...	1100	33	16	8.4	2.8	20	2.6	17	11	39
JUL 14...	5700	29	11	7.5	2.5	14	2.1	18	3.0	28
AUG 05...	5400	48	10	12	4.3	14	1.9	38	7.2	28
SEP 02...	8000	76	1	19	6.9	16	3.4	75	13	21

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07350000 LOGGY BAYOU NEAR NINOCK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 15...	.2	13	160	144	28	.06	1.1	.25	10
NOV 12...	.1	12	216	215	36	.10	1.1	.08	11
DEC 02...	.1	8.8	166	153	39	.09	1.0	.15	--
JAN 15...	.1	8.7	230	226	18	.00	.74	.05	19
FEB 03...	.1	7.4	223	214	16	.00	.73	.14	9.0
MAR 03...	.1	6.5	148	143	84	.37	1.3	.23	13
APR 07...	.1	6.4	167	161	46	.08	1.2	.17	13
MAY 13...	.1	6.5	139	116	63	.24	1.5	.27	12
JUN 09...	.1	8.0	122	102	25	.05	.83	.24	10
JUL 14...	.1	9.8	105	78	23	.09	.77	.09	12
AUG 05...	.1	11	114	96	20	.23	.95	.22	12
SEP 02...	.2	10	146	134	210	.65	1.6	.37	13

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
OCT 15...	1	0	80	85	1	0	0	2	3	5	40	2400
JAN 15...	0	--	100	--	<1	--	0	--	2	--	100	--
APR 07...	1	--	90	--	1	--	10	--	7	--	250	--
JUL 14...	1	--	60	--	<1	--	10	--	3	--	440	--

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	STRONTIUM, DISSOLVED (UG/L AS SR)	STRONTIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT 15...	0	70	80	600	.0	.01	0	0	210	33	10	16
JAN 15...	0	--	210	--	.0	--	0	--	210	--	8	--
APR 07...	1	--	280	--	.1	--	0	--	170	--	10	--
JUL 14...	5	--	130	--	.4	--	0	--	170	--	20	--

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 15...	.0	2	.0	.0	.000	.0	.0	0	.000	.0	.000
APR 07...	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--	<.001

< Actual value is known to be less than the value shown.

07350000 LOGGY BAYOU NEAR NINOCK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.8	.000	.0	.04	.0	.000	.0	.000	.0	.000	.0
APR 07...	--	<.001	--	.02	--	.002	--	<.001	--	<.001	--

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0
APR 07...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--

DATE	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
APR 07...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--

DATE	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATL. (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 15...	.00	.0	.0	0	.00	.0	.00	.00	.00	.00
APR 07...	<.01	--	<.1	--	<.01	--	<.01	<.01	<.01	<.01

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 15...	102	99
NOV 12...	86	98
DEC 02...	58	94
JAN 15...	62	93
FEB 03...	103	87
MAR 03...	192	94
APR 07...	168	94
MAY 13...	106	100
JUN 09...	32	100
JUL 14...	227	93
AUG 05...	141	93
SEP 02...	277	100

< Actual value is known to be less than the value shown.

07351000 BOGGY BAYOU NEAR KEITHVILLE, LA

LOCATION.--32°22'35", long 93°49'17", in NW1/4SE1/4 sec.17, T.16 N., R.14 W., Caddo Parish, Hydrologic Unit 11140206, near right bank on downstream side of bridge on U.S. Highway 171, 0.4 mi (0.6 km) downstream from Gilmer Bayou, 3.2 mi (5.1 km) north of Keithville, and 5.9 mi (9.5 km) upstream from mouth.

DRAINAGE AREA.--79 mi^2 (205 km^2), approximately.

PERIOD OF RECORD.--December 1938 to current year.

REVISED RECORDS.--WSP 1211: 1939-45, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 145.13 ft (44.236 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 7, 1949, and Jan. 19 to Apr. 7, 1954, nonrecording gage at same site and datum.

REMARKS.--Records poor. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 70.3 ft^3/s (1.991 m^3/s), 12.08 in/yr (307 mm/yr), 50,930 acre-ft/yr (62.8 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft^3/s (419 m^3/s) Jan. 5, 1946, gage height, 20.2 ft (6.16 m), from graph based on gage readings, from rating curve extended above 7,300 ft^3/s (207 m^3/s); no flow at times in 1939-40, 1942-44, 1947-49, 1951-60, 1962-67, 1970-74.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of July 1933 reached a stage of 26.7 ft (8.14 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft^3/s (28 m^3/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)	Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)
May 10	0530	3180	90.1	17.48	5.328	June 5	2330	*8040	228	*19.10	5.822

Minimum daily discharge, 0.65 ft^3/s (0.018 m^3/s) Aug. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	1.1	4.8	3.2	13	28	16	30	32	14	2.0	63
2	3.5	1.0	5.0	2.7	6.4	87	15	96	31	14	2.1	650
3	2.9	.95	5.0	2.5	4.8	18	14	13	106	12	1.4	306
4	2.6	.90	5.0	2.5	4.2	106	13	5.9	285	12	1.1	96
5	2.4	.90	4.8	3.0	5.0	102	12	4.8	2560	21	1.4	35
6	2.3	.95	4.2	3.7	5.8	17	12	12	4000	22	1.1	25
7	2.2	1.2	3.3	4.4	8.3	11	11	7.9	598	8.8	1.1	21
8	2.1	1.0	3.2	4.2	7.5	9.0	10	4.9	196	6.9	1.1	19
9	2.0	1.1	5.6	4.1	6.5	7.9	9.8	155	86	5.6	1.0	18
10	2.0	1.1	4.7	4.0	5.6	7.5	9.2	1560	45	5.0	1.0	17
11	1.9	1.1	3.8	4.1	61	7.3	8.8	577	38	5.6	.90	16
12	1.7	1.1	3.9	4.5	36	7.1	8.5	182	32	7.9	.90	16
13	1.6	1.1	3.8	4.5	14	7.1	8.1	56	25	4.0	.90	15
14	1.4	1.0	3.8	4.3	11	7.3	7.7	116	19	3.3	.95	15
15	1.5	.95	3.7	4.2	8.8	7.3	7.5	65	18	3.1	1.0	15
16	1.6	2.6	3.7	4.2	7.3	7.1	7.1	94	16	2.9	1.0	14
17	1.8	7.9	3.6	4.3	6.2	6.4	7.7	156	15	2.8	1.2	13
18	2.0	2.6	3.6	4.6	5.4	5.9	7.3	108	14	2.6	1.4	12
19	1.5	2.1	3.5	4.7	4.8	5.8	6.7	138	14	2.6	.90	11
20	1.0	2.0	3.3	5.4	4.9	5.4	6.5	50	13	2.5	.70	10
21	1.2	2.0	3.3	5.9	5.6	5.4	8.8	25	12	2.2	.65	11
22	1.5	2.3	3.1	5.3	26	5.8	16	20	11	2.2	.70	7.7
23	1.7	3.1	3.1	4.9	10	6.0	43	19	12	2.3	.90	6.2
24	1.9	3.4	3.1	4.7	7.5	6.2	128	18	48	2.3	1.1	5.3
25	2.0	3.5	3.0	4.7	5.9	5.8	27	22	24	2.2	1.2	4.6
26	2.2	4.1	3.2	4.6	5.6	5.4	9.5	20	32	1.9	1.1	3.9
27	2.9	6.0	3.4	4.5	5.3	5.4	6.2	23	13	1.7	1.2	3.6
28	2.9	4.5	3.5	4.4	5.3	5.9	5.4	17	11	2.0	1.2	3.6
29	1.7	4.0	3.6	5.0	---	18	5.4	17	12	2.3	1.3	3.4
30	1.6	4.3	3.6	5.3	---	23	8.1	18	13	2.2	2.2	3.3
31	1.3	---	3.6	5.8	---	20	---	24	---	2.1	2.0	---
TOTAL	62.6	69.85	118.8	134.2	297.7	567.0	455.3	3654.5	8331	182.0	36.70	1439.6
MEAN	2.02	2.33	3.83	4.33	10.6	18.3	15.2	118	278	5.87	1.18	48.0
MAX	3.7	7.9	5.6	5.9	61	106	128	1560	4000	22	2.2	650
MIN	1.0	.90	3.0	2.5	4.2	5.4	5.4	4.8	11	1.7	.65	3.3
CFSM	.03	.03	.05	.06	.13	.23	.19	1.49	3.52	.07	.02	.61
IN.	.03	.03	.06	.06	.14	.27	.21	1.72	3.92	.09	.02	.68
AC-FT	124	139	236	266	590	1120	903	7250	16520	361	73	2860

CAL YR 1980 TOTAL 26257.25 MEAN 71.7 MAX 2720 MIN .90 CFSM .91 IN 12.36 AC-FT 52080
WTR YR 1981 TOTAL 15349.25 MEAN 42.1 MAX 4000 MIN .65 CFSM .53 IN 7.23 AC-FT 30450

07351000 BOGGY BAYOU NEAR KEITHVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.39	11.58	11.64	11.62	12.11	12.04	11.38	11.83	11.62	11.15	11.19	12.43
2	11.39	11.62	11.65	11.56	11.82	12.69	11.33	12.44	11.62	11.19	11.23	16.25
3	11.35	11.64	11.64	11.52	11.66	11.74	11.29	11.53	12.58	11.19	11.14	15.09
4	11.36	11.65	11.64	11.52	11.68	12.91	11.28	11.28	15.14	11.22	11.08	12.25
5	11.37	11.66	11.61	11.58	11.66	12.81	11.29	11.22	16.85	11.53	11.11	11.46
6	11.39	11.67	11.53	11.66	11.68	11.66	11.29	11.50	17.75	11.58	11.08	11.27
7	11.41	11.71	11.42	11.72	11.82	11.46	11.30	11.37	16.14	11.21	11.09	11.18
8	11.42	11.68	11.40	11.69	11.78	11.39	11.31	11.23	14.09	11.14	11.08	11.13
9	11.44	11.69	11.61	11.68	11.73	11.34	11.33	13.18	11.94	11.08	11.08	11.12
10	11.45	11.70	11.53	11.66	11.67	11.32	11.35	16.92	11.44	11.06	11.08	11.09
11	11.47	11.70	11.43	11.67	12.54	11.32	11.37	16.08	11.37	11.13	11.07	11.07
12	11.47	11.70	11.45	11.71	11.94	11.32	11.38	13.80	11.28	11.31	11.07	11.06
13	11.49	11.71	11.46	11.71	11.53	11.33	11.40	11.74	11.16	11.08	11.07	11.07
14	11.49	11.69	11.47	11.70	11.49	11.34	11.43	12.41	11.05	11.04	11.09	11.09
15	11.51	11.58	11.47	11.69	11.47	11.35	11.45	11.84	11.03	11.06	11.10	11.11
16	11.53	11.73	11.49	11.70	11.47	11.35	11.47	12.15	11.01	11.08	11.11	11.12
17	11.56	12.06	11.49	11.71	11.48	11.33	11.49	13.53	11.00	11.10	11.17	11.11
18	11.58	11.59	11.50	11.74	11.50	11.31	11.44	12.31	10.99	11.10	11.17	11.12
19	11.53	11.47	11.49	11.75	11.52	11.31	11.44	12.77	11.00	11.12	11.15	11.14
20	11.44	11.38	11.47	11.82	11.53	11.31	11.44	11.68	11.01	11.12	11.20	11.15
21	11.47	11.30	11.48	11.85	11.58	11.32	11.51	11.28	11.00	11.08	11.24	11.16
22	11.53	11.38	11.47	11.81	12.16	11.37	11.66	11.15	10.98	11.10	11.25	11.16
23	11.56	11.49	11.49	11.78	11.63	11.39	11.89	11.16	11.04	11.11	11.29	11.17
24	11.58	11.52	11.51	11.76	11.51	11.41	12.76	11.18	11.65	11.12	11.32	11.20
25	11.61	11.53	11.51	11.77	11.42	11.38	11.72	11.32	11.25	11.12	11.35	11.23
26	11.64	11.60	11.54	11.77	11.40	11.35	11.36	11.28	11.42	11.07	11.33	11.25
27	11.76	11.76	11.58	11.79	11.38	11.35	11.28	11.36	10.98	11.05	11.35	11.28
28	11.77	11.63	11.60	11.79	11.38	11.37	11.26	11.23	10.89	11.09	11.34	11.32
29	11.42	11.63	11.62	11.82	---	11.62	11.25	11.25	10.97	11.15	11.36	11.32
30	11.50	11.65	11.64	11.82	---	11.63	11.36	11.29	11.07	11.16	11.49	11.33
31	11.55	---	11.66	11.83	---	11.50	---	11.45	---	11.17	11.47	---
MEAN	11.50	11.62	11.53	11.72	11.66	11.56	11.45	12.09	12.04	11.15	11.20	11.56
MAX	11.77	12.06	11.66	11.85	12.54	12.91	12.76	16.92	17.75	11.58	11.49	16.25
MIN	11.35	11.30	11.40	11.52	11.38	11.31	11.25	11.15	10.89	11.04	11.07	11.06

07351571 BAYOU PIERRE BELOW CASPIANA, LA

LOCATION.--Lat 32°11'31", long 93°33'16", in SE1/4NW1/4 sec. 24, T.14 N., R.12 W., De Soto-Red River Parish line, Hydrologic Unit 11140206, near left bank on downstream side of La Coupe bridge on Parish Road 11, 1.2 mi (1.9 km) upstream from Prairie River, and 6.8 mi (10.9 km) south of Caspiana.

DRAINAGE AREA.--340 mi^2 (880 km^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1979 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 130 ft (39.6 m) from topographic map.

REMARKS.--Records fair.

EXTREMES FOR CURRENT PERIOD.--June to September 1979: Maximum discharge, 452 ft^3/s (12.8 m^3/s) July 11, gage height, 5.70 ft (1.737 m); minimum discharge, 19 ft^3/s (0.54 m^3/s) Sept. 14, gage height, 1.80 ft (0.549 m).

Water year 1980: Maximum discharge, 3,140 ft^3/s (88.9 m^3/s) Apr. 14, 15, gage height, 18.80 ft (5.730 m); minimum discharge, 12 ft^3/s (0.34 m^3/s) Sept. 17, gage height, 1.65 ft (0.503 m).

Water year 1981: Maximum discharge, 2,920 ft^3/s (82.7 m^3/s) June 8, gage height, 18.05 ft (5.502 m); minimum discharge, 9.0 ft^3/s (0.25 m^3/s) Sept. 30; minimum gage height, 1.60 ft (0.488 m) Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	43	340	24
2									---	43	395	23
3									---	39	340	23
4									---	36	269	27
5									---	32	220	26
6									---	33	178	25
7									---	39	143	25
8									---	42	116	23
9									---	100	94	22
10									---	142	77	22
11									---	396	64	21
12									---	250	58	20
13									---	180	49	20
14									---	150	43	19
15									---	180	40	20
16									---	300	37	20
17									---	200	37	20
18									---	180	35	23
19									---	140	32	28
20									---	110	30	58
21									70	100	27	200
22									66	90	27	250
23									57	85	28	200
24									53	90	29	150
25									59	90	28	120
26									71	100	28	125
27									61	250	27	94
28									51	400	28	78
29									47	450	27	63
30									45	400	26	50
31									---	300	25	---
TOTAL									---	4990	2897	1819
MEAN									---	161	93.5	60.6
MAX									---	450	395	250
MIN									---	32	25	19
AC-FT									---	9900	5750	3610

07351571 BAYOU PIERRE BELOW CASPIANA, LA

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	513	360	250	889	145	1030	306	417	32	20	21
2	34	357	290	240	806	220	942	294	306	27	19	17
3	28	258	240	220	721	199	863	297	214	24	19	14
4	24	203	200	200	631	210	717	306	144	21	18	15
5	22	163	160	180	547	215	582	289	137	20	17	14
6	20	135	140	165	486	206	481	250	112	19	40	13
7	22	111	120	150	389	192	388	207	98	18	200	13
8	19	93	98	140	411	178	308	174	76	18	290	13
9	19	85	84	130	1380	184	227	148	66	18	240	14
10	17	75	74	120	1600	167	185	126	84	18	200	13
11	17	60	68	110	2100	152	180	109	60	17	150	13
12	17	45	120	100	1800	140	1190	100	47	17	130	13
13	17	36	220	96	1400	185	1540	127	38	16	110	13
14	16	34	330	90	1220	288	2090	150	33	16	90	13
15	16	32	320	88	1090	280	2000	175	30	16	70	13
16	16	30	290	88	963	314	2120	900	28	16	50	13
17	17	29	230	110	834	349	2140	2200	26	16	42	13
18	16	28	190	160	730	311	2020	2100	24	16	35	13
19	19	27	150	130	638	278	1590	2080	26	16	30	14
20	18	27	130	100	554	612	1360	2060	31	16	25	13
21	16	40	120	280	468	922	1220	1810	163	16	22	13
22	23	300	110	1070	375	717	1100	1770	187	16	21	14
23	153	1200	160	1700	299	711	970	1530	153	16	18	13
24	119	1150	300	1760	244	646	833	1340	187	16	17	13
25	70	1100	700	1690	206	585	775	1250	132	15	15	13
26	55	900	620	1520	175	499	888	1140	101	16	14	13
27	46	740	510	1340	153	485	729	1010	71	18	14	13
28	39	620	430	1190	140	760	597	869	61	19	16	13
29	36	500	380	1090	126	1050	494	734	48	33	18	13
30	55	430	310	1090	---	1490	398	633	40	27	21	13
31	235	---	270	1010	---	1190	---	525	---	22	19	---
TOTAL	1262	9321	7724	16607	21375	13880	29957	25009	3140	591	1990	409
MEAN	40.7	311	249	536	737	448	999	807	105	19.1	64.2	13.6
MAX	235	1200	700	1760	2100	1490	2140	2200	417	33	290	21
MIN	16	27	68	88	126	140	180	100	24	15	14	13
AC-FT	2500	18490	15320	32940	42400	27530	59420	49610	6230	1170	3950	811

WTR YR 1980 TOTAL 131265 MEAN 359 MAX 2200 MIN 13 AC-FT 260400

07351571 BAYOU PIERRE BELOW CASPIANA, LA

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	18	18	17	27	119	137	147	115	60	21	53
2	19	15	18	17	56	300	111	220	133	49	20	112
3	18	14	17	17	70	330	91	187	296	40	37	150
4	16	14	15	17	46	459	80	165	653	34	24	222
5	16	13	15	16	40	554	71	159	984	41	19	290
6	15	13	14	18	51	442	58	151	1640	111	17	241
7	15	13	15	28	79	352	45	136	2440	111	16	188
8	15	12	15	65	75	286	38	123	2880	96	16	146
9	15	13	21	44	65	227	34	185	2760	86	15	112
10	15	13	37	33	142	185	31	1130	2410	71	15	83
11	15	13	43	29	226	151	28	1280	1970	56	15	57
12	15	12	31	26	226	124	27	1090	1690	55	15	39
13	15	12	24	24	166	106	25	1010	1530	44	15	29
14	15	13	22	24	142	90	22	954	1400	39	14	24
15	15	13	20	21	120	76	20	884	1250	35	14	21
16	15	14	20	20	102	68	19	823	1110	31	13	18
17	15	16	19	19	88	51	18	894	954	28	13	16
18	15	82	18	18	76	47	18	827	796	25	14	14
19	33	93	18	18	65	42	17	734	661	23	15	12
20	31	35	18	21	55	34	18	769	540	21	14	12
21	20	18	17	38	47	29	21	622	438	20	13	11
22	17	15	16	55	66	30	26	505	335	20	12	11
23	16	15	16	40	195	39	36	418	259	21	12	11
24	16	15	17	33	145	34	178	321	195	20	12	11
25	15	17	18	30	103	29	222	244	157	19	12	10
26	15	18	17	28	85	26	195	250	147	18	12	10
27	20	21	16	27	72	24	174	223	144	19	12	9.8
28	29	44	16	26	61	22	147	180	111	21	24	9.7
29	75	34	17	26	---	27	124	151	91	19	24	9.5
30	61	21	17	25	---	147	107	122	73	19	14	9.0
31	27	---	17	22	---	191	---	109	---	25	12	---
TOTAL	655	659	602	842	2691	4641	2138	15013	28162	1277	501	1941.0
MEAN	21.1	22.0	19.4	27.2	96.1	150	71.3	484	939	41.2	16.2	64.7
MAX	75	93	43	65	226	554	222	1280	2880	111	37	290
MIN	15	12	14	16	27	22	17	109	73	18	12	9.0
AC-FT	1300	1310	1190	1670	5340	9210	4240	29780	55860	2530	994	3850

CAL YR 1980 TOTAL 114874.0 MEAN 314 MAX 2200 MIN 12 AC-FT 227900
WTR YR 1981 TOTAL 59122.0 MEAN 162 MAX 2880 MIN 9.0 AC-FT 117300

07351571 BAYOU PIERRE BELOW CASPIANA, LA

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	2.31	---	1.94
2									---	2.32	5.33	1.93
3									---	2.26	4.98	1.93
4									---	2.21	4.47	1.99
5									---	2.15	4.07	1.98
6									---	2.16	3.66	1.96
7									---	2.26	3.31	1.96
8									---	2.30	3.04	1.92
9									---	2.90	2.82	1.89
10									---	3.32	2.65	1.88
11									---	5.35	2.52	1.87
12									---	---	2.45	1.84
13									---	---	2.36	1.83
14									---	---	2.29	1.82
15									---	---	2.24	1.84
16									---	---	2.19	1.85
17									---	---	2.18	1.85
18									---	---	2.16	1.92
19									---	---	2.10	2.01
20									---	---	2.07	2.41
21									---	---	2.02	---
22									2.56	---	2.01	---
23									2.47	---	2.03	---
24									2.43	---	2.04	---
25									2.49	---	2.04	---
26									2.61	---	2.02	---
27									2.51	---	2.02	2.84
28									2.41	---	2.02	2.68
29									2.36	---	2.00	2.53
30									2.34	---	1.98	2.40
31									---	---	1.96	---
MEAN									---	---	---	---
MAX									---	---	---	---
MIN									---	2.15	1.96	1.82

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.28	6.06		---	8.16	3.35	10.48	4.76	5.56	2.23	1.82	---
2	2.19	5.10		---	7.70	4.08	8.50	4.67	4.87	2.14	1.79	---
3	2.08	4.40		---	7.23	3.89	8.02	4.69	4.25	2.05	1.77	---
4	2.01	3.92		---	6.73	---	7.21	4.76	3.77	1.99	1.75	---
5	1.95	3.53		---	6.26	4.04	6.45	4.64	3.42	1.96	---	---
6	1.91	3.25		---	5.91	3.95	5.88	4.33	3.14	1.94	---	---
7	1.94	3.01		---	5.31	3.82	5.30	3.97	2.93	1.91	---	---
8	1.88	2.83		---	5.41	3.68	4.77	3.64	2.78	1.88	---	---
9	1.86	2.75		---	10.86	3.74	4.32	3.38	2.72	1.88	---	1.72
10	1.81	2.65		---	---	3.57	3.85	3.16	2.86	1.88	---	1.69
11	1.80	2.50		---	---	3.42	3.80	2.99	2.60	1.86	---	1.67
12	1.80	2.33		---	---	3.30	9.94	2.90	2.44	1.85	---	1.67
13	1.79	2.22		---	10.92	3.75	15.61	3.17	2.33	1.84	---	1.66
14	1.78	---		---	10.00	4.63	18.68	3.40	2.25	1.83	---	1.66
15	1.78	---		---	9.28	4.57	18.70	3.52	2.20	1.82	---	1.66
16	1.78	---		---	8.57	4.81	18.16	---	2.15	1.80	---	1.66
17	1.79	---		---	7.86	5.06	16.95	---	2.11	1.79	---	1.65
18	1.78	---		---	7.28	4.79	14.29	---	2.08	1.80	---	1.67
19	1.87	---		---	6.77	4.56	12.04	---	2.11	1.80	---	1.70
20	1.82	---		---	6.30	6.54	10.80	15.58	2.21	1.80	---	1.67
21	1.78	---		---	5.80	8.34	10.01	13.27	3.58	1.80	---	1.68
22	1.97	---		9.14	5.22	7.30	9.35	13.04	3.93	1.81	---	1.69
23	3.43	---		---	4.71	7.17	8.61	11.74	3.51	1.80	---	1.68
24	3.09	---		13.02	4.28	6.81	7.85	10.67	3.85	1.80	---	1.66
25	2.60	---		12.64	3.96	6.47	7.53	10.14	3.30	1.77	---	1.66
26	2.45	---		11.65	3.65	5.99	8.16	9.56	2.98	1.74	---	1.67
27	2.35	---		10.67	3.43	5.89	7.27	8.83	2.77	1.80	---	1.66
28	2.27	---		9.81	3.30	7.45	6.54	8.05	2.59	1.84	---	1.66
29	2.21	---		9.29	3.16	9.03	5.96	7.39	2.45	2.09	---	1.66
30	2.42	---		9.30	---	13.04	5.36	6.77	2.35	1.97	---	1.68
31	4.17	---		8.83	---	12.50	---	6.19	---	1.86	---	---
MEAN	2.15	---		---	---	---	9.35	---	3.00	1.88	---	---
MAX	4.17	---		13.02	---	13.04	18.70	---	5.56	2.23	---	---
MIN	1.78	---		---	3.16	3.35	3.80	2.90	2.08	1.74	---	1.65

07351571 BAYOU PIERRE BELON CASPIANA, LA

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.75	1.81	1.90	1.84	2.10	3.13	3.27	3.37	3.05	2.44	1.84	2.33
2	1.85	1.74	1.88	1.84	2.47	4.71	3.01	4.08	3.23	2.32	1.80	3.02
3	1.76	1.71	1.86	1.84	2.64	4.96	2.81	3.77	4.51	2.19	2.16	3.40
4	1.70	1.69	1.80	1.85	2.39	5.75	2.70	3.55	6.85	2.09	1.93	4.08
5	1.68	1.68	1.76	1.82	2.32	6.38	2.61	3.49	8.69	2.19	1.80	4.64
6	1.67	1.66	1.75	1.88	2.44	5.64	2.48	3.41	---	3.00	1.75	4.26
7	1.66	1.65	1.78	2.10	2.73	5.07	2.33	3.26	---	3.01	1.72	3.78
8	1.66	1.63	1.80	2.61	2.69	4.61	2.24	3.13	---	2.84	1.71	3.37
9	1.65	1.65	1.97	2.37	2.59	4.14	2.18	3.68	17.45	2.73	1.71	3.02
10	1.65	1.65	2.28	2.22	3.36	3.75	2.14	9.52	16.03	2.57	1.70	2.75
11	1.64	1.64	2.37	2.14	4.16	3.41	2.09	10.32	14.07	2.40	1.71	2.52
12	1.64	1.64	2.18	2.10	4.16	3.14	2.05	9.30	12.61	2.38	1.71	2.34
13	1.64	1.64	2.06	2.05	3.60	2.96	2.02	8.85	11.72	2.25	1.70	2.21
14	1.64	1.66	2.02	2.05	3.36	2.80	1.96	8.52	10.99	2.18	1.70	2.12
15	1.64	1.68	1.97	1.98	3.14	2.66	1.91	8.14	10.17	2.11	1.68	2.05
16	1.64	1.70	1.97	1.94	2.96	2.58	1.86	7.79	9.40	2.04	1.66	1.99
17	1.67	1.83	1.93	1.91	2.82	2.41	1.83	8.19	8.52	1.98	1.66	1.91
18	1.67	2.73	1.89	1.88	2.70	2.37	1.83	7.81	7.64	1.93	1.69	1.84
19	2.07	2.88	1.91	1.87	2.59	2.29	1.81	7.30	6.90	1.88	1.75	1.79
20	2.05	2.22	1.89	1.95	2.49	2.18	1.85	7.49	6.22	1.83	1.71	1.75
21	1.82	1.88	1.85	2.27	2.41	2.10	1.92	6.68	5.61	1.80	1.66	1.73
22	1.73	1.77	1.83	2.49	2.60	2.12	2.04	6.02	4.96	1.80	1.65	1.72
23	1.70	1.75	1.84	2.30	3.89	2.25	2.19	5.49	4.39	1.83	1.65	1.70
24	1.68	1.76	1.85	2.21	3.39	2.19	3.67	4.86	3.85	1.79	1.65	1.69
25	1.67	1.86	1.87	2.15	2.97	2.11	4.10	4.28	3.47	1.75	1.64	1.67
26	1.66	1.89	1.84	2.12	2.79	2.05	3.85	4.33	3.37	1.73	1.65	1.68
27	1.81	1.97	1.82	2.10	2.66	2.01	3.64	4.11	3.34	1.75	1.69	1.65
28	2.02	2.37	1.83	2.07	2.55	1.95	3.37	3.70	3.01	1.82	2.03	1.65
29	2.60	2.22	1.83	2.07	---	2.05	3.14	3.41	2.78	1.78	2.06	1.63
30	2.46	1.97	1.84	2.05	---	3.37	2.97	3.12	2.59	1.75	1.79	1.61
31	2.02	---	1.84	1.98	---	3.81	---	2.99	---	1.91	1.70	---
MEAN	1.79	1.86	1.91	2.07	2.89	3.26	2.53	5.61	---	2.13	1.75	2.40
MAX	2.60	2.88	2.37	2.61	4.16	6.38	4.10	10.32	---	3.01	2.16	4.64
MIN	1.64	1.63	1.75	1.82	2.10	1.95	1.81	2.99	---	1.73	1.64	1.61

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT											
15...	1200	15	949	7.3	20.0	5	10	8.9	15	1.4	K55
NOV											
12...	1515	12	934	7.5	16.5	0	8.0	6.3	34	4.5	K40
DEC											
02...	1300	10	635	7.0	15.0	5	8.0	8.6	38	2.6	--
JAN											
14...	1045	25	623	7.4	8.5	5	4.0	11.6	22	3.9	120
FEB											
03...	1630	66	665	7.3	9.0	5	15	9.4	24	2.9	920
MAR											
03...	1240	330	352	6.4	10.0	40	60	7.6	39	--	4600
APR											
08...	0800	39	490	7.1	19.5	10	20	6.0	34	1.2	K100
MAY											
13...	1600	1000	164	6.3	22.0	70	50	5.3	47	2.3	350
JUN											
09...	1040	2700	94	6.1	26.0	100	35	3.5	59	3.3	540
JUL											
14...	1030	39	444	6.9	29.5	20	30	4.3	38	1.3	K15
AUG											
05...	1300	10	619	7.0	30.5	15	3.0	7.2	41	3.8	K25
SEP											
02...	1440	100	311	6.5	20.0	30	65	5.0	56	4.0	540

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT										
15...	K60	370	31	84	38	65	2.6	335	87	68
NOV										
12...	K60	350	37	78	38	64	3.7	314	93	69
DEC										
02...	370	220	31	52	22	42	4.6	189	67	45
JAN										
14...	K32	190	20	46	19	48	3.0	173	55	59
FEB										
03...	110	190	30	48	16	56	4.8	156	63	72
MAR										
03...	1300	73	10	19	6.1	37	4.2	55	39	45
APR										
08...	140	140	20	36	13	45	3.1	123	50	51
MAY										
13...	1000	35	2	9.4	2.7	16	3.8	33	14	17
JUN										
09...	4400	29	7	7.2	2.6	5.3	3.5	22	12	6.8
JUL										
14...	5300	160	24	37	16	29	3.7	134	55	31
AUG										
05...	1900	210	30	48	22	45	4.3	180	63	54
SEP										
02...	>12000	120	31	31	11	20	5.5	92	39	25

> Actual value is known to be greater than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 15...	.4	15	--	561	17	.00	.9	.27	6.7
NOV 12...	.3	15	572	541	15	.01	1.2	.12	10
DEC 02...	.3	11	368	357	18	.61	1.3	.10	7.3
JAN 14...	.2	6.4	350	341	2	.20	1.0	.09	11
FEB 03...	.4	8.5	369	363	28	.50	1.4	.21	14
MAR 03...	.2	3.0	189	186	96	.49	1.4	.49	13
APR 08...	.2	8.7	289	281	50	.09	1.1	.26	14
MAY 13...	.1	5.3	99	86	78	.13	2.2	.53	14
JUN 09...	.1	7.4	82	58	34	.00	1.4	.70	20
JUL 14...	.2	11	260	263	106	.35	1.3	.29	12
AUG 05...	.3	12	363	351	44	.16	1.3	.21	10
SEP 02...	.3	8.3	204	195	366	1.1	2.4	.43	15

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS BA)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)
OCT 15...	2	1	200	75	1	0	0	1
JAN 14...	1	--	100	--	<1	--	0	--
APR 08...	2	--	90	--	1	--	0	--
JUL 14...	3	--	100	--	<1	--	10	--

DATE	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)
OCT 15...	--	3	5	10	2400	1	10	210	310
JAN 14...	--	3	--	30	--	2	--	170	--
APR 08...	--	2	--	30	--	1	--	290	--
JUL 14...	0	3	--	30	--	3	--	490	--
SEP 02...	--	--	--	40	--	--	--	110	--

< Actual value is known to be less than the value shown.

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	STRONTIUM, DISSOLVED (UG/L AS SR)	STRONTIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT 15...	.0	.01	0	0	480	14	6	9
JAN 14...	.1	--	0	--	310	--	10	--
APR 08...	.1	--	0	--	300	--	8	--
JUL 14...	.4	--	0	--	260	--	10	--

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 15...	.0	0	.0	0	.000	.0	.0	1	.000	2.5	.000
APR 08...	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--	<.001

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	1.6	.000	15	.02	.0	.003	.0	.000	.0	.000	.0
APR 08...	--	<.001	--	<.01	--	.005	--	<.001	--	<.001	--

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0
APR 08...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
APR 08...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--

< Actual value is known to be less than the value shown.

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATL. (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
15...	.00	.0	.0	0	.00	.0	.09	.00	.00	.00
APR										
08...	<.01	--	<.1	--	<.01	--	.05	<.01	.01	<.07

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
15...	194	7.5	80
NOV			
12...	210	6.8	86
DEC			
02...	95	4.6	89
JAN			
14...	70	4.7	98
FEB			
03...	104	19	93
MAR			
03...	226	201	96
APR			
08...	125	13	80
MAY			
13...	137	370	88
JUN			
09...	66	497	88
JUL			
14...	104	11	92
AUG			
05...	87	4.2	92
SEP			
02...	291	85	98

< Actual value is known to be less than the value shown.

07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA

LOCATION.--Lat 32°04'41", long 93°30'36", in SE1/4SE1/4 sec.29, T.13 N., R.11 W., DeSoto Parish, Hydrologic Unit 11140206, near left bank on downstream side of bridge on U.S. Highway 84, 0.7 mi (1.1 km) upstream from Bailey Bayou, and 2.8 mi (4.5 km) west of the village of Grand Bayou.

DRAINAGE AREA.--661 mi^2 (1,712 km^2).

PERIOD OF RECORD.--October 1979 to current year. October 1977 to September 1979 (daily gage heights, annual maximums, and daily discharge below 400 ft^3/s or 11.3 m^3/s only). October 1946 to November 1954, August 1956 to August 1957, and since September 1960, gage heights and discharge measurements in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 101.13 ft (30.824 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,260 ft^3/s (206 m^3/s) Jan. 22, 1979, gage height, 26.93 ft (8.208 m); minimum daily discharge, 6.5 ft^3/s (0.18 m^3/s) Oct. 19, 1978; minimum gage height, 4.70 ft (1.433 m) Sept. 30, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 1933 reached a stage of 35.4 ft (10.80 m), from floodmark; discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,850 ft^3/s (166 m^3/s) June 7, 8, gage height, 23.99 ft (7.312 m); minimum, 9.4 ft^3/s (0.27 m^3/s) Aug. 25, 26; minimum gage height, 4.70 ft (1.433 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	28	28	19	41	125	161	119	90	60	24	95
2	24	21	24	19	49	327	121	221	161	50	21	148
3	25	19	24	19	79	396	99	213	937	45	28	578
4	21	17	22	19	61	579	84	172	1160	40	32	625
5	18	16	21	20	50	696	74	160	1660	50	21	483
6	16	15	19	23	52	537	62	153	4400	70	18	402
7	15	14	20	35	68	403	53	137	5660	100	16	313
8	15	13	21	70	75	332	45	122	5740	150	14	238
9	14	13	29	60	68	266	39	128	5120	200	13	179
10	14	14	35	50	221	211	37	832	4170	180	13	131
11	14	14	51	40	271	170	34	1410	3190	150	13	95
12	14	13	45	30	291	136	32	1190	2450	100	13	72
13	14	13	35	27	202	111	31	1080	1960	80	13	57
14	14	14	30	27	158	95	28	990	1700	60	13	46
15	14	15	28	25	131	82	25	919	1570	45	12	40
16	15	18	26	23	108	74	23	852	1380	37	11	35
17	18	24	26	21	95	60	22	888	1130	34	11	30
18	20	44	24	20	83	53	22	882	900	31	11	26
19	20	107	22	20	73	49	21	762	742	27	13	23
20	40	65	21	25	65	41	21	786	602	25	14	20
21	30	33	21	40	58	36	23	688	490	22	12	19
22	21	23	20	60	61	33	28	524	401	21	11	18
23	18	20	21	50	160	38	36	429	313	23	11	17
24	16	19	20	40	184	41	115	343	243	21	11	16
25	15	21	19	35	122	36	238	267	188	20	10	15
26	14	28	20	32	98	32	210	243	159	18	10	15
27	28	36	20	30	83	30	187	238	164	19	11	15
28	40	49	20	31	74	29	158	188	130	23	17	14
29	65	56	19	31	---	40	129	142	100	20	42	13
30	80	39	19	29	---	91	108	111	80	19	28	13
31	46	---	20	28	---	216	---	93	---	20	18	---
TOTAL	737	821	770	998	3081	5365	2266	15282	46990	1760	505	3791
MEAN	23.8	27.4	24.8	32.2	110	173	75.5	493	1566	56.8	16.3	126
MAX	80	107	51	70	291	696	238	1410	5740	200	42	625
MIN	14	13	19	19	41	29	21	93	80	18	10	13

CAL YR 1980 TOTAL 214521 MEAN 586 MAX 6860 MIN 13
WTR YR 1981 TOTAL 82366 MEAN 226 MAX 5740 MIN 10

07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.93	5.00	4.94	4.83	5.01	5.45	5.63	5.45	5.40	---	4.91	5.32
2	4.99	4.93	4.90	4.82	5.07	6.31	5.47	5.88	5.69	---	4.87	5.60
3	4.99	4.90	4.89	4.82	5.24	6.58	5.36	5.85	8.25	---	4.95	7.03
4	4.94	4.87	4.87	4.82	5.15	7.11	5.27	5.68	8.96	---	4.99	7.27
5	4.91	4.86	4.85	4.83	5.08	7.44	5.22	5.63	11.34	---	4.89	6.86
6	4.89	4.84	4.84	4.86	5.09	7.03	5.15	5.60	20.38	---	4.85	6.57
7	4.87	4.83	4.84	---	5.19	6.60	5.10	5.54	23.53	---	4.82	6.21
8	4.87	4.82	4.85	---	5.22	6.33	5.05	5.47	23.72	---	4.80	5.90
9	4.86	4.81	4.93	---	5.19	6.06	5.00	5.50	22.19	---	4.80	5.66
10	4.86	4.82	4.98	---	5.87	5.85	4.98	7.93	19.79	---	4.79	5.47
11	4.85	4.82	5.10	---	6.09	5.67	4.96	9.87	17.29	---	4.79	5.31
12	4.84	4.81	5.04	---	6.16	5.53	4.95	9.08	15.00	---	4.80	5.19
13	4.84	4.81	4.98	---	5.81	5.42	4.94	8.69	13.25	---	4.80	5.10
14	4.84	4.81	4.94	---	5.62	5.33	4.91	8.40	11.93	---	4.79	5.03
15	4.85	4.82	4.92	---	5.50	5.26	4.89	8.16	10.78	---	4.79	4.99
16	4.85	4.87	4.90	---	5.40	5.21	4.86	7.94	9.77	4.98	4.78	4.95
17	4.89	4.94	4.90	---	5.33	5.13	4.85	8.06	8.87	4.95	4.78	4.91
18	4.92	5.08	4.88	---	5.27	5.09	4.84	8.04	8.10	4.93	4.78	4.87
19	4.92	5.44	4.86	---	5.21	5.06	4.84	7.64	7.58	4.90	4.81	4.84
20	5.11	5.22	4.85	---	5.17	5.00	4.84	7.72	7.20	4.88	4.83	4.81
21	5.03	5.00	4.84	---	5.13	4.97	4.86	7.44	6.89	4.86	4.80	4.79
22	4.94	4.91	4.84	---	5.14	4.95	4.91	7.04	6.59	4.84	4.79	4.78
23	4.90	4.88	4.84	---	5.62	4.98	4.98	6.76	6.24	4.87	4.78	4.77
24	4.87	4.86	4.83	---	5.73	5.00	5.40	6.47	5.95	4.86	4.78	4.76
25	4.86	4.87	4.83	---	5.47	4.97	5.95	6.19	5.73	4.84	4.78	4.75
26	4.85	4.95	4.84	---	5.35	4.94	5.84	6.10	5.62	4.83	4.78	4.75
27	4.98	5.02	4.83	---	5.27	4.92	5.75	6.08	5.64	4.84	4.79	4.74
28	5.10	5.10	4.83	4.93	5.22	4.91	5.62	5.87	5.50	4.89	4.87	4.73
29	5.24	5.14	4.83	4.94	---	4.99	5.50	5.68	---	4.86	5.11	4.72
30	5.33	5.03	4.83	4.92	---	5.32	5.41	5.53	---	4.85	4.98	4.71
31	5.14	---	4.83	4.91	---	5.87	---	5.43	---	4.86	4.86	---
MEAN	4.94	4.94	4.88	---	5.38	5.59	5.18	6.80	---	---	4.84	5.31
MAX	5.33	5.44	5.10	---	6.16	7.44	5.95	9.87	23.72	---	5.11	7.27
MIN	4.84	4.81	4.83	---	5.01	4.91	4.84	5.43	---	4.83	4.78	4.71

07351740 BAYOU PIERRE AT EVELYN, LA

LOCATION.--Lat 31°59'20", long 93°26'30", in NE corner sec.36, T.12 N., R.11 W., De Soto-Red River Parish line, Hydrologic Unit 11140206, at bridge on State Highway 177 and 0.2 mi (0.3 km) northeast of Evelyn.

DRAINAGE AREA.--707 mi^2 (1,831 km^2).

PERIOD OF RECORD.--Water years 1979 to October 1980 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 15...	1015	1090	7.0	20.0	20	10	7.0	22	2.3	140	400	22

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 15...	86	45	67	2.6	378	84	67	.4	12	637	591	16

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, DISSOLVED (UG/L AS CU)
OCT 15...	.06	.94	.29	1	1	200	150	1	1	0	3	2

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	STRONTIUM, DISSOLVED (UG/L AS SR)
OCT 15...	10	10	4500	0	20	180	180	.0	.03	0	10	600

07351740 BAYOU PIERRE AT EVELYN, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	STRONTIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT												
15...	31	10	20	.0	1	.0	0	.000	.0	.0	5	.000

DATE	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT												
15...	.9	.000	1.9	.000	.0	.01	.0	.000	.0	.000	.0	.000

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)
OCT												
15...	.0	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0	.00

DATE	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)
OCT												
15...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0

DATE	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT									
15...	0	.00	.0	.06	.00	.00	.00	300	86

07351748 WEST BRANCH DOLET BAYOU AT RAMBIN , LA

LOCATION.--Lat 31°57'35", long 93°27'05", in SW1/4 sec.12 T.11 N., R.11 W., De Soto Parish, Hydrologic Unit 11140206, at bridge on State Highway 177 and 0.6 mi (1.0 km) north of Rambin.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
JAN 14...	1230	553	4.8	6.5	5	1.0	10.8	2.2	K24	K10
APR 07...	1030	184	5.7	19.5	250	10	4.6	.6	170	120

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
JAN 14...	150	150	28	19	47	4.2	1	160	61
APR 07...	40	26	8.2	4.8	19	.9	14	26	30

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
JAN 14...	.0	26	366	346	.00	.62	.01	80	97
APR 07...	.1	13	141	110	.02	2.0	.32	63	85

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS-SOLVED (UG/L AS U)
JAN 14...	<6.4	<.4	4.4	.3	8.1	<.4	7.8	<.4	.08	<.7

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07351750 BAYOU PIERRE NEAR LAKE END, LA

LOCATION.--Lat 31°53'40", long 93°20'30", in NE1/4 sec.36, T.11 N., R.10 W., Red River-Natchitoches Parish Line, Hydrologic Unit 11140206, at bridge on State Highway 174, and 2.9 mi (4.7 km) southwest of Lake End.

DRAINAGE AREA.--860 mi^2 (2227 km^2).

PERIOD OF RECORD.--Water years 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 15...	0815	1100	7.3	19.5	5	20	7.3	--	2.3	--
DEC 02...	0745	679	7.3	13.0	10	10	8.7	--	2.5	--
JAN 14...	0900	936	7.6	8.0	5	4.0	12.0	22	3.3	K28
FEB 03...	1305	756	7.6	9.0	5	5.0	10.1	71	4.0	K70
MAR 03...	1140	525	6.8	15.5	15	25	6.2	28	--	K300
APR 07...	0930	392	7.1	21.0	50	30	5.5	41	2.4	140
MAY 13...	1700	234	6.5	22.5	60	55	5.0	35	.7	260
JUN 09...	0915	127	6.0	26.5	100	35	4.7	61	2.8	K60
JUL 14...	0835	575	7.0	30.5	10	10	4.0	39	.7	K30
AUG 05...	1130	854	7.9	31.5	15	2.0	5.6	33	1.5	K5
SEP 01...	1335	953	7.3	27.0	5	15	5.6	47	3.8	K80

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 15...	140	410	28	87	47	70	2.5	383	84	82
DEC 02...	K80	250	21	57	27	40	4.7	233	55	48
JAN 14...	K22	340	51	75	36	63	2.2	285	92	78
FEB 03...	K90	260	33	59	28	55	2.4	230	73	62
MAR 03...	--	160	35	39	14	47	3.6	120	53	57
APR 07...	K25	120	16	29	11	28	3.3	102	40	32
MAY 13...	1400	57	6	15	4.7	22	4.7	51	18	25
JUN 09...	2100	29	0	6.5	3.2	9.8	3.7	30	12	11
JUL 14...	--	210	29	50	21	34	3.8	182	45	42
AUG 05...	9400	320	40	72	35	60	4.0	284	67	67
SEP 01...	1700	350	26	78	37	63	3.8	322	74	72

K Results based on colony count outside the acceptable range (non-ideal count).

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 15...	.4	13	--	516	.06	--	.56	.29	--
DEC 02...	.3	10	393	382	.43	--	1.3	.30	--
JAN 14...	.3	12	538	530	.00	--	.74	.04	14
FEB 03...	.2	11	443	429	.00	--	1.1	.19	8.8
MAR 03...	.2	6.8	308	293	.58	--	1.3	.15	12
APR 07...	.2	9.9	226	214	.31	--	1.7	.24	13
MAY 13...	.1	7.2	158	128	.28	--	1.7	.59	15
JUN 09...	.1	7.6	97	72	.00	--	1.6	.64	16
JUL 14...	.2	13	335	318	.46	.21	1.1	.12	16
AUG 05...	.3	15	554	490	.22	--	.94	.74	6.0
SEP 01...	.4	13	539	534	.16	.35	1.5	.23	6.8

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
OCT 15...	1	0	<1	0	2	0	4	5	<10	2000
JAN 14...	0	--	<1	--	--	0	1	--	10	--
APR 07...	1	--	2	--	--	0	5	--	260	--
JUL 14...	3	--	<1	--	--	0	4	--	<10	--

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT 15...	1	10	70	190	.1	.01	4	43	.00	0
JAN 14...	10	--	240	--	.0	--	5	--	--	--
APR 07...	1	--	260	--	.2	--	20	--	--	--
JUL 14...	2	--	510	--	.2	--	10	--	--	--

< Actual value is known to be less than the value shown.

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 15...	.0	0	.0	0	.000	.0	.0	0	.000	1.7	.000
JUL 14...	<.1	--	<.1	--	<.01	--	<.1	--	<.01	--	<.01

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	3.5	.000	2.1	.00	.0	.000	.0	.000	.0	.000	.0
JUL 14...	--	<.01	--	.04	--	<.01	--	<.01	--	<.01	--

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0
JUL 14...	<.01	--	<.01	--	<.01	--	<.01	--	.01	--

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JUL 14...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 15...	.00	.0	.0	0	.00	.0	.10	.04	.00	.00
JUL 14...	<.01	--	<.1	--	<.01	--	.07	.02	.02	<.01

< Actual value is known to be less than the value shown.

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
15...	203	78
DEC		
02...	86	87
FEB		
03...	97	96
MAR		
03...	169	94
APR		
07...	122	93
MAY		
13...	127	98
JUN		
09...	59	100
JUL		
14...	132	73
AUG		
05...	175	87
SEP		
01...	142	77

07351755 BAYOU PIERRE NEAR POWHATAN, LA

LOCATION.--Lat 31°51'37", long 93°12'22", in SE1/4SE1/4 sec. 22, T. 10 N., R. 8 W., Natchitoches Parish, Hydrologic Unit 11140206, at right bank on downstream side of bridge on State Highway 485, 1.0 mi (1.6 km) southwest of Powhatan, 2.7 mi (4.3 km) upstream from Flat River, and 11.8 mi (19.0 km) upstream from mouth.

DRAINAGE AREA.--879 mi^2 (2,277 km^2).

PERIOD OF RECORD.--August 1980 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 83.61 ft (25.484 m) National Geodetic Vertical Datum of 1929.

EXTREMES FOR CURRENT PERIOD.--August to September 1980: Maximum gage height during period, 4.88 ft (1.487 m) Aug. 10; minimum, 1.87 ft (0.570 m) Sept. 17, 18.

Water year 1981: Maximum gage height, 22.36 ft (6.815 m) June 10; minimum observed, 1.66 ft (0.506 m) Aug. 26, but may have been less during periods when below lowest recordable stage.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											2.53	2.12
2											2.49	2.13
3											2.41	2.12
4											2.37	2.10
5											2.35	2.04
6											2.35	2.01
7											2.60	2.24
8											3.84	3.07
9											4.75	3.39
10											4.84	3.32
11											4.62	3.05
12											4.28	2.73
13											3.96	2.45
14											3.59	2.22
15											3.25	2.08
16											3.00	2.01
17											2.80	1.93
18											2.67	1.88
19											2.56	2.37
20											2.45	2.11
21											2.38	2.02
22											2.30	1.99
23											2.23	1.96
24											2.17	1.96
25											2.12	1.94
26											2.10	1.93
27											2.11	1.92
28											2.05	1.92
29											2.01	1.94
30											2.05	1.94
31											2.06	---
MEAN											2.82	2.23
MAX											4.84	3.39
MIN											2.01	1.88

07351755 BAYOU PIERRE NEAR POWHATAN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.93	---	2.55	2.93	2.12	3.27	4.30	3.35	9.74	10.74	3.04	---
2	1.92	---	2.47	2.65	2.16	3.33	3.88	3.43	10.20	10.14	2.80	---
3	2.00	---	2.34	2.27	2.31	4.00	3.62	3.77	10.91	9.52	2.66	---
4	5.16	---	2.22	2.02	2.42	6.69	3.63	3.98	11.56	8.92	2.58	---
5	7.83	5.25	2.15	1.91	2.53	7.25	3.61	3.77	13.81	8.52	2.47	---
6	8.43	5.08	2.09	1.94	2.61	6.83	3.56	3.52	16.44	8.37	2.48	---
7	8.00	4.52	2.00	1.99	2.66	6.33	3.45	3.70	19.10	8.61	2.51	---
8	7.29	3.92	1.95	2.06	2.68	6.93	3.20	3.65	21.03	9.45	2.51	---
9	6.56	3.18	2.45	2.11	2.67	8.52	2.93	3.44	22.05	10.68	2.39	4.45
10	5.87	2.42	2.12	2.30	4.59	9.41	2.63	4.07	22.33	10.81	2.29	3.95
11	5.29	2.10	---	2.39	4.75	9.54	2.40	6.18	22.15	10.48	2.25	3.60
12	4.77	2.01	---	2.31	4.63	9.18	2.31	7.68	21.51	10.63	2.08	3.20
13	4.30	1.98	2.53	2.22	4.46	8.70	2.26	7.49	20.63	10.71	2.02	2.80
14	3.86	1.97	5.37	2.13	4.00	8.27	2.18	7.24	19.93	10.34	2.02	2.53
15	3.44	1.95	7.71	2.07	3.60	7.79	2.06	7.67	19.41	9.84	2.06	2.35
16	3.02	2.04	8.41	2.03	3.37	7.09	1.96	8.82	18.94	9.50	2.03	2.20
17	2.69	2.74	8.19	2.01	3.30	6.33	1.89	9.47	18.55	9.20	1.99	2.08
18	2.45	2.09	7.72	1.98	3.52	5.63	1.88	10.09	18.21	8.68	---	1.98
19	2.22	2.02	7.32	1.96	3.95	5.06	1.91	10.61	18.04	7.88	---	1.91
20	2.08	2.60	6.90	2.07	4.27	4.37	1.87	11.03	18.05	7.13	---	
21	2.00	3.04	6.25	2.09	4.32	3.73	1.86	11.12	17.90	6.43	---	
22	2.07	3.08	5.54	2.11	4.20	3.27		10.84	17.42	5.82	---	
23	2.10	3.01	5.04	2.14	4.01	3.00	1.86	10.42	16.68	5.15	---	
24	---	2.87	4.71	2.27	3.96	2.89	1.92	10.60	15.84	4.59	---	
25	---	2.75	4.41	2.31	4.00	2.74	2.07	9.44	15.01	4.27	---	
26	---	2.66	4.12	2.26	3.89	2.65	2.90	8.61	14.37	4.11	---	
27	---	2.65	3.85	2.21	3.68	2.67	3.27	8.10	13.92	4.01	---	
28	---	2.63	3.57	2.15	3.44	2.60	3.22	8.42	13.34	3.90	---	
29	3.70	2.64	3.31	2.11	---	2.53	3.12	8.79	12.35	3.73	---	
30	3.64	2.60	3.19	2.09	---	3.20	3.16	9.23	11.42	3.68	---	
31	---	---	3.10	2.07	---	3.87	---	9.52	---	3.45	---	
MEAN	---	---	---	2.17	3.50	5.41	---	7.34	16.69	7.72	---	---
MAX	8.43	---	8.41	2.93	4.75	9.54	4.30	11.12	22.33	10.81	3.04	---
MIN	1.92	1.95	1.95	1.91	2.12	2.53	---	3.35	9.74	3.45	---	---

NOTE.--Below lowest recordable stage (1.85 ft) Apr. 22 and Sept. 20-30.

07352000 SALINE BAYOU NEAR LUCKY, LA

LOCATION.--Lat 32°15'00", long 93°58'35", in SW1/4SW1/4 sec.27, T.15 N., R.6 W., Bienville Parish, Hydrologic Unit 11140208, near center of span on downstream side of bridge on State Highway 4, 0.7 mi (1.1 km) downstream from Sixmile Creek, and 1.0 mi (1.6 km) east of Lucky.

DRAINAGE AREA.--154 mi^2 (399 km^2).

PERIOD OF RECORD.--June 1940 to current year.

REVISED RECORDS.--WSP 1177: Drainage area.

GAGE.--Duplex water-stage recorder (rain-gage and water-stage combination). Datum of gage is 152.65 ft (46.528 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 28, 1949, nonrecording gage, Mar. 1, 1949, to Apr. 26, 1971, water-stage recorder, at same site and datum.

REMARKS.--Records fair. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years, 163 ft^3/s (4.616 m^3/s), 14.37 in/yr (365 mm/yr), 118,100 acre-ft/yr (146 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft^3/s (382 m^3/s) Jan. 1, 1945, gage height, 12.90 ft (3.932 m), from rating curve extended above 6,400 ft^3/s (181 m^3/s) on basis of records for Black Lake Bayou near Castor and Dugdemona River near Jonesboro; minimum discharge, 2.4 ft^3/s (0.068 m^3/s) Aug. 14, 1954; minimum gage height, 1.66 ft (0.506 m) Aug. 7, 8, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,000 ft^3/s (28 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
June 8	1200	*1020	28.9	*7.04	2.146

Minimum discharge, 5.6 ft^3/s (0.16 m^3/s) Oct. 13; minimum gage height, 2.18 ft (0.664 m) Aug. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	20	34	24	28	55	235	29	42	10	7.0	38
2	8.4	17	34	22	38	123	147	33	46	11	7.2	135
3	7.8	15	33	21	36	154	96	28	108	10	8.8	199
4	8.0	14	30	21	32	215	73	25	227	9.8	8.8	490
5	7.2	14	28	21	29	260	81	51	396	18	8.4	172
6	6.6	13	27	35	38	235	64	52	687	38	7.6	76
7	6.6	13	28	76	38	179	48	38	841	39	7.2	33
8	6.6	13	30	70	35	125	40	27	980	27	7.2	21
9	6.6	13	44	50	31	90	34	34	820	33	6.8	19
10	6.6	15	57	36	65	73	32	146	584	23	6.8	15
11	6.4	14	53	32	88	64	29	206	301	26	6.6	13
12	6.0	15	41	27	70	56	27	215	144	89	6.6	12
13	6.0	15	35	25	60	53	26	150	126	52	6.4	11
14	6.0	15	31	24	50	50	23	108	112	73	6.2	11
15	6.4	17	29	23	40	49	19	79	85	64	6.4	11
16	6.6	26	29	22	30	44	15	90	60	34	6.6	10
17	9.8	82	29	20	28	41	14	151	43	20	8.0	9.6
18	26	98	28	19	27	40	13	145	36	15	8.2	9.0
19	31	78	27	20	26	37	19	140	32	12	8.2	8.6
20	19	50	25	35	27	36	36	102	26	10	8.0	8.6
21	12	37	24	50	28	34	34	83	21	9.2	7.6	8.6
22	10	31	23	45	27	32	29	67	18	8.4	7.6	8.4
23	9.5	33	24	35	26	31	31	48	17	7.8	7.4	8.4
24	9.5	35	25	29	27	30	54	36	31	7.6	7.8	8.0
25	9.3	34	24	27	27	29	70	39	27	7.4	8.6	7.8
26	9.8	40	23	26	26	28	63	208	19	7.0	9.4	7.6
27	29	63	23	24	27	27	42	260	14	6.2	10	7.2
28	137	65	23	22	29	60	27	213	12	6.8	14	7.0
29	133	51	23	20	---	150	19	133	11	7.2	14	6.8
30	63	39	23	20	---	250	16	81	10	7.4	12	6.6
31	29	---	23	19	---	284	---	53	---	7.4	15	---
TOTAL	648.2	985	930	940	1033	2934	1456	3070	5876	696.2	260.4	1378.2
MEAN	20.9	32.8	30.0	30.3	36.9	94.6	48.5	99.0	196	22.5	8.40	45.9
MAX	137	98	57	76	88	284	235	260	980	89	15	490
MIN	6.0	13	23	19	26	27	13	25	10	6.2	6.2	6.6
CFSM	.14	.21	.20	.20	.24	.61	.32	.64	1.27	.15	.06	.30
IN.	.16	.24	.22	.23	.25	.71	.35	.74	1.42	.17	.06	.33
AC-FT	1290	1950	1840	1860	2050	5820	2890	6090	11660	1380	517	2730
(#)	4.54	2.54	.50	1.98	1.50	4.44	2.66	5.04	4.32	2.92	1.67	4.02

CAL YR 1980 TOTAL 49058.6 MEAN 134 MAX 2690 MIN 4.0 CFSM .87 IN 11.85 AC-FT 97310
WTR YR 1981 TOTAL 20207.0 MEAN 55.4 MAX 980 MIN 6.0 CFSM .36 IN 4.88 AC-FT 40080

NOTE: # Precipitation, in inches, during month at rain gage at station. Total for calendar year 1980, 33.92 inches; total for water year 1981, 36.13 inches.

07352000 SALINE BAYOU NEAR LUCKY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.44	2.85	3.37	3.33	3.55	3.83	5.60	3.22	3.38	2.47	2.28	3.05
2	2.39	2.75	3.38	3.30	3.78	4.84	4.98	3.34	3.45	2.51	2.29	4.80
3	2.36	2.68	3.35	3.27	3.72	5.13	4.36	3.21	4.47	2.48	2.36	5.18
4	2.37	2.65	3.30	3.28	3.64	5.55	4.02	3.12	5.53	2.46	2.36	6.28
5	2.33	2.64	3.27	3.27	3.56	5.70	4.14	3.68	6.09	2.75	2.33	5.11
6	2.30	2.63	3.26	3.62	3.74	5.60	3.88	3.70	6.61	3.25	2.29	3.90
7	2.30	2.63	3.27	4.36	3.75	5.26	3.62	3.43	6.83	3.27	2.27	3.05
8	2.30	2.64	3.33	4.28	3.67	4.70	3.47	3.19	7.00	3.00	2.26	2.73
9	2.30	2.66	3.65	3.92	3.57	4.21	3.36	3.35	6.80	3.15	2.24	2.68
10	2.30	2.71	3.90	3.66	4.23	3.93	3.31	4.94	6.44	2.88	2.23	2.58
11	2.29	2.70	3.84	3.56	4.60	3.78	3.24	5.45	5.64	2.97	2.22	2.50
12	2.27	2.73	3.61	3.46	---	3.65	3.19	5.50	4.93	4.16	2.21	2.46
13	2.27	2.75	3.48	3.40	---	3.60	3.15	4.96	4.70	3.54	2.20	2.44
14	2.27	2.75	3.41	3.38	---	3.53	3.08	4.48	4.49	3.90	2.19	2.43
15	2.29	2.81	3.37	3.37	---	3.51	2.97	4.03	4.10	3.74	2.19	2.43
16	2.30	3.06	3.38	3.34	---	3.43	2.88	4.21	3.67	3.17	2.20	2.40
17	2.45	4.13	3.37	3.30	---	3.36	2.82	5.00	3.35	2.80	2.26	2.38
18	2.96	4.40	3.37	3.28	---	3.35	2.79	4.93	3.20	2.65	2.27	2.35
19	3.08	4.07	3.36	3.30	---	3.27	2.99	4.88	3.11	2.55	2.27	2.34
20	2.76	3.61	3.32	3.66	---	---	3.39	4.40	2.96	2.48	2.25	2.34
21	2.55	3.35	3.28	3.98	---	---	3.36	4.10	2.83	2.43	2.23	2.34
22	2.47	3.24	3.27	3.88	---	---	3.23	3.83	2.75	2.39	2.22	2.34
23	2.44	3.28	3.30	3.67	---	---	3.27	3.50	2.74	2.36	2.21	2.34
24	2.44	3.34	3.34	3.54	---	---	3.72	3.25	3.08	2.34	2.23	2.33
25	2.43	3.33	3.31	3.51	---	---	3.98	3.32	2.98	2.33	2.26	2.32
26	2.45	3.47	3.29	3.47	---	---	3.87	5.40	2.77	2.30	2.30	2.31
27	3.04	3.90	3.30	3.44	3.36	---	3.50	5.70	2.63	2.26	2.34	2.30
28	4.83	3.93	3.30	3.39	3.35	---	3.19	5.49	2.55	2.29	2.47	2.29
29	4.80	3.70	3.29	3.35	---	---	2.97	4.80	2.52	2.30	2.46	2.29
30	3.75	3.47	3.31	3.34	---	---	2.90	4.07	2.48	2.31	2.40	2.28
31	3.07	---	3.32	3.32	---	5.78	---	3.59	---	2.30	2.50	---
MEAN	2.66	3.16	3.38	3.52	---	---	3.51	4.20	4.14	2.77	2.28	2.89
MAX	4.83	4.40	3.90	4.36	---	---	5.60	5.70	7.00	4.16	2.50	6.28
MIN	2.27	2.63	3.26	3.27	---	---	2.79	3.12	2.48	2.26	2.19	2.28

07352800 GRAND BAYOU NEAR COUSHATTA, LA

LOCATION.--Lat 32°02'55", long 93°18'10", in SW1/4SW1/4 sec.4, T.12 N., R.9 W., Red River Parish, Hydrologic Unit 11130109, near right bank on downstream side of bridge on State Highway 155, 0.5 mi (0.8 km) upstream from Carrol Creek, and 3.3 mi (5.3 km) north of Coushatta.

DRAINAGE AREA.--93.9 mi^2 (243.2 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1956 to September 1977. June 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 136.26 ft (41.532 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--23 years (water years 1957-77, 1980-81), 88.1 ft^3/s (2.495 m^3/s), 12.74 in/yr (324 mm/yr), 63,800 acre-ft/yr (78.7 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,920 ft^3/s (224 m^3/s) Sept. 21, 1958, gage height, 11.47 ft (3.496 m); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 700 ft^3/s (20 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	(m^3/s)	Gage height (ft)	(m)
June 6	1530	*1510	42.8	*8.76	2.670

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.02	.02	.02	.21	2.0	53	1.7	3.4	2.9	3.1	6.6
2	.00	.01	.01	.02	.09	5.0	25	8.8	3.9	2.2	2.0	11
3	.00	.01	.01	.02	.03	15	12	2.0	129	1.8	1.5	27
4	.00	.01	.01	.02	.03	45	7.2	.79	429	1.5	1.3	259
5	.00	.01	.02	.02	.15	81	5.0	.65	743	6.5	1.2	364
6	.00	.01	.03	.32	.35	75	3.1	.50	1350	4.9	1.1	401
7	.00	.01	.03	.25	.09	52	2.0	.24	1190	2.8	1.1	154
8	.00	.02	.08	.09	.07	23	1.4	.19	840	1.9	1.1	17
9	.00	.03	.33	.06	.08	13	1.0	1.1	624	4.5	.93	11
10	.00	.03	.14	.03	.92	8.1	1.1	58	434	9.2	.80	6.7
11	.00	.03	.10	.02	.22	5.7	1.1	61	216	5.4	.63	6.2
12	.00	.03	.06	.02	.04	3.6	1.1	20	138	4.2	.38	4.7
13	.00	.03	.06	.02	4.0	2.9	1.0	15	133	23	.19	3.4
14	.00	.04	.04	.02	5.0	2.2	1.0	8.6	114	12	.09	2.1
15	.00	.04	.05	.02	4.0	1.4	.92	5.2	68	5.7	.03	1.4
16	.00	.15	.06	.02	3.0	.93	.77	7.3	28	3.7	.04	1.2
17	.00	.55	.05	.02	2.0	.69	.68	12	16	2.4	.03	.79
18	.02	.20	.03	.02	1.5	.60	.57	45	12	1.9	.05	.42
19	.01	.06	.03	.04	1.0	.53	.42	39	9.3	1.5	.04	.24
20	.00	.03	.03	.37	.80	.51	.32	18	6.7	1.3	.02	.16
21	.00	.02	.03	.15	.80	.64	.18	10	5.6	1.1	.01	.05
22	.00	.02	.03	.07	4.0	.66	.11	5.9	4.8	1.0	.02	.04
23	.00	.06	.03	.04	2.0	.44	.13	3.4	3.9	.89	.02	.03
24	.00	.06	.04	.04	1.0	.26	.07	1.9	3.0	.77	.02	.04
25	.00	.04	.03	.03	.85	.20	.08	3.8	2.6	.75	.00	.06
26	.00	.15	.03	.04	.70	.27	.06	39	2.2	.74	.00	.04
27	.42	.06	.03	.03	.60	.33	.05	95	2.0	1.1	.02	.03
28	.57	.02	.03	.02	.50	.30	.03	41	4.7	2.0	.06	.05
29	.27	.02	.04	.02	---	1.2	.03	15	4.9	4.2	.05	.15
30	.09	.01	.04	.02	---	25	.05	8.6	3.4	4.0	.10	.24
31	.03	---	.02	.02	---	58	---	5.5	---	4.4	.29	---
TOTAL	1.41	1.78	1.54	1.90	34.03	425.46	119.47	534.17	6524.4	120.25	16.22	1278.64
MEAN	.045	.059	.050	.061	1.22	13.7	3.98	17.2	217	3.88	.52	42.6
MAX	.57	.55	.33	.37	5.0	81	53	95	1350	23	3.1	401
MIN	.00	.01	.01	.02	.03	.20	.03	.19	2.0	.74	.00	.03
CFSM	.000	.001	.001	.001	.01	.15	.04	.18	2.31	.04	.006	.45
IN.	.00	.00	.00	.00	.01	.17	.05	.21	2.58	.05	.01	.51
AC-FT	2.8	3.5	3.1	3.8	67	844	237	1060	12940	239	32	2540

CAL YR 1980 TOTAL 35129.33 MEAN 96.0 MAX 3050 MIN .00 CFSM 1.02 IN 13.92 AC-FT 69680
WTR YR 1981 TOTAL 9059.27 MEAN 24.8 MAX 1350 MIN .00 CFSM .26 IN 3.59 AC-FT 17970

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.29	.37	.53	.54	.60	---	3.13	.83	1.06	.82	.89	1.16
2	.27	.36	.52	.54	.58	---	2.43	1.54	1.09	.75	.77	1.59
3	.26	.36	.52	.54	.55	---	1.80	.90	4.38	.70	.71	1.96
4	.24	.36	.52	.54	.55	---	1.43	.73	7.12	.66	.69	5.83
5	.20	.36	.53	.53	.59	3.60	1.22	.70	7.86	1.11	.67	6.79
6	.19	.36	.54	.61	.63	3.51	1.03	.67	8.63	1.02	.64	7.00
7	.18	.36	.55	.61	.58	3.10	.91	.62	8.49	.81	.66	4.47
8	.18	.37	.57	.58	.57	2.35	.83	.61	8.10	.72	.64	2.01
9	.17	.39	.63	.57	.58	1.79	.78	.74	7.72	.94	.62	1.61
10	.17	.40	.59	.55	.74	1.50	.79	3.02	7.11	1.39	.59	1.32
11	.17	.40	.58	.55	.60	1.28	.78	3.23	5.39	1.07	.56	1.27
12	.16	.40	.57	.54	.56	1.07	.78	2.24	4.50	.95	.51	1.12
13	.16	.40	.57	.54	1.11	1.00	.78	1.95	4.43	2.18	.47	.99
14	.16	.41	.56	.54	---	.93	.77	1.54	4.14	1.61	.45	.85
15	.16	.43	.56	.54	---	.83	.75	1.24	3.33	1.09	.43	.77
16	.16	.50	.57	.54	---	.75	.72	1.42	2.38	.90	.43	.74
17	.19	.59	.56	.54	---	.70	.71	1.75	1.84	.77	.42	.66
18	.30	.52	.56	.54	---	.68	.68	3.00	1.56	.72	.43	.58
19	.31	.49	.55	.55	---	.67	.65	2.84	1.40	.66	.43	.55
20	.29	.47	.55	.63	---	.66	.63	2.15	1.20	.63	.39	.53
21	.28	.46	.55	.59	---	.69	.61	1.64	1.09	.60	.39	.52
22	.28	.46	.55	.57	---	.69	.59	1.31	1.01	.58	.42	.51
23	.27	.49	.56	.56	---	.65	.60	1.06	.92	.56	.42	.50
24	.26	.49	.56	.56	---	.61	.58	.90	.83	.53	.40	.51
25	.25	.49	.56	.56	---	.61	.59	1.07	.79	.53	.38	.52
26	.24	.57	.55	.56	---	.62	.58	2.51	.75	.53	.35	.51
27	.39	.57	.55	.55	---	.64	.57	3.83	.72	.58	.38	.50
28	.49	.54	.55	.55	---	.63	.56	2.86	1.00	.73	.43	.51
29	.44	.53	.56	.54	---	.77	.57	1.98	1.02	.95	.43	.54
30	.40	.52	.56	.55	---	2.20	.57	1.54	.87	.93	.45	.56
31	.38	---	.55	.54	---	3.21	---	1.27	---	1.02	.49	---
MEAN	.25	.45	.56	.56	---	---	.91	1.67	3.36	.87	.51	1.57
MAX	.49	.59	.63	.63	---	3.60	3.13	3.83	8.63	2.18	.89	7.00
MIN	.16	.36	.52	.53	.55	.61	.56	.61	.72	.53	.35	.50

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-56, 1966-67, 1979 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: March to September 1981.
SUSPENDED-SEDIMENT DISCHARGE: March to September 1981.
SUSPENDED-SEDIMENT SIEVE DIAMETER, PERCENT FINER THAN 0.062 MM: March to September 1981.

REMARKS.--Suspended-sediment data sieve diameter, percent finer than 0.062 MM are instantaneous.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 74 mg/L Sept. 4, 5, 1981; minimum daily mean, 8 mg/L July 20, 1981.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 77 tons (70 tonnes) June 6, 1981; minimum daily mean, 0 ton (0 tonne) Apr. 22-30, Aug. 14-30, Sept. 21-28, 1981.
SUSPENDED-SEDIMENT SIEVE DIAMETER, PERCENT FINER THAN 0.062 MM: Maximum daily, 100 percent Mar. 30, 31, Apr. 7-10, 12-14, May 3, 29-31, June 1-3, July 18-21, 1981; minimum daily, 4 percent May 20, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
DEC 02...	1400	.01	123	6.2	--	70	5.0	3.1	--	3.7	--
FEB 03...	1700	.03	107	6.5	7.5	50	10	8.2	--	.9	K25
APR 07...	1200	2.0	190	6.0	19.0	100	4.0	3.4	70	1.4	K30
JUL 14...	1155	12	88	5.9	29.0	100	8.0	3.5	65	.2	120

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
DEC 02...	400	30	0	7.4	2.9	12	4.2	44	5.6	8.1
FEB 03...	K70	18	0	4.3	1.8	13	1.8	28	9.1	9.0
APR 07...	K50	29	8	7.1	2.8	24	3.2	21	7.4	36
JUL 14...	1200	24	7	5.8	2.2	7.4	3.1	17	4.0	12

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC 02...	.1	25	98	91	.00	--	1.3	.17	10
FEB 03...	.1	26	91	82	.00	--	.93	.11	--
APR 07...	.1	9.2	141	103	.01	--	1.7	.11	22
JUL 14...	.1	7.2	76	52	.29	.090	1.4	.13	8.8

K Results based on colony count outside the acceptable range (non-ideal count).

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
DEC 02...	1	3	<1	0	1	0	10	3	330	2100

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
DEC 02...	4	10	2000	250	.1	.01	10	5	.00	1

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
DEC 02...	<.1	<1	<.1	<1	<.01	<.1	<.10	6	<.01	<.1	<.01

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC 02...	90	<.01	<.1	.04	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC 02...	<.01	<.1	<.01	3.5	<.01	3.0	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC 02...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

< Actual value is known to be less than the value shown.

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC										
02...	<.01	.6	<.1	<1	<.01	<.1	.00	.00	.00	.00

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1											---	---
2											---	---
3											---	---
4											30	3.6
5											69	15
6											44	8.9
7											37	5.2
8											26	1.6
9											32	1.1
10											26	.57
11											26	.40
12											26	.25
13											26	.20
14											26	.15
15											26	.10
16											24	.06
17											26	.05
18											20	.03
19											16	.02
20											20	.03
21											20	.03
22											20	.04
23											16	.02
24											16	.01
25											24	.01
26											20	.01
27											14	.01
28											14	.01
29											18	.06
30											20	1.4
31											28	4.4
TOTAL											---	43.26

< Actual value is known to be less than the value shown.

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21	3.0	18	.08	28	.26	16	.13	21	.18	32	.57
2	20	1.4	12	.29	30	.32	28	.17	22	.12	47	1.4
3	18	.58	16	.09	60	21	33	.16	24	.10	55	4.0
4	15	.29	22	.05	38	44	34	.14	21	.07	74	52
5	19	.26	18	.03	27	54	40	.70	21	.07	74	73
6	16	.13	19	.03	21	77	48	.64	28	.08	24	26
7	17	.09	17	.01	22	71	19	.14	22	.07	22	9.1
8	21	.08	22	.01	18	41	30	.15	20	.06	23	1.1
9	22	.06	16	.05	20	34	28	.34	21	.05	34	1.0
10	20	.06	24	3.8	15	18	27	.67	24	.05	32	.58
11	16	.05	36	5.9	26	15	26	.38	18	.03	38	.64
12	20	.06	24	1.3	30	11	26	.29	26	.03	27	.34
13	12	.03	26	1.1	22	7.9	21	1.3	27	.01	32	.29
14	15	.04	26	.60	24	7.4	25	.81	20	.00	30	.17
15	12	.03	26	.37	26	4.8	24	.37	22	.00	29	.11
16	14	.03	20	.39	18	1.4	23	.23	15	.00	36	.12
17	14	.03	20	.65	21	.91	26	.17	16	.00	34	.07
18	20	.03	26	3.2	24	.78	19	.10	26	.00	52	.06
19	24	.03	22	2.3	23	.58	14	.06	27	.00	47	.03
20	22	.02	25	1.2	22	.40	8	.03	23	.00	45	.02
21	24	.01	24	.65	29	.44	16	.05	24	.00	38	.00
22	26	.00	26	.41	31	.40	18	.05	34	.00	43	.00
23	24	.00	44	.40	40	.42	22	.05	24	.00	40	.00
24	27	.00	38	.19	32	.26	19	.04	25	.00	51	.00
25	14	.00	42	.43	40	.28	22	.04	---	---	38	.00
26	14	.00	40	4.2	30	.18	28	.06	---	---	26	.00
27	10	.00	38	9.7	46	.25	23	.07	31	.00	34	.00
28	13	.00	40	4.4	23	.29	34	.18	26	.00	23	.00
29	15	.00	34	1.4	36	.48	21	.24	31	.00	32	.01
30	18	.00	30	.70	24	.22	27	.29	28	.00	22	.01
31	---	---	30	.45	---	---	26	.31	32	.03	---	---
TOTAL	---	6.31	---	44.38	---	413.97	---	8.36	---	0.95	---	170.62

TOTAL LOAD FOR YEAR: 687.85 TONS.

SEDIMENT, SUSPENDED, SIEVE DIAMETER, PERCENT FINER THAN 0.062 MM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	86	94	100	88	92	80
2						---	83	92	100	82	98	79
3						---	84	100	100	79	86	82
4						90	94	90	98	71	90	93
5						92	90	88	96	82	90	96
6						76	88	98	84	78	90	88
7						70	100	92	95	65	85	94
8						64	100	100	94	74	92	94
9						66	100	95	98	72	88	90
10						61	100	94	93	92	92	91
11						70	97	92	86	86	94	96
12						63	100	90	86	88	86	88
13						53	100	81	82	73	96	90
14						64	100	77	87	82	88	94
15						61	84	76	84	94	88	91
16						60	87	68	72	88	93	91
17						65	90	78	68	84	95	90
18						82	82	76	68	100	96	84
19						84	82	7	66	100	96	82
20						89	84	4	80	100	94	80
21						92	88	13	76	100	84	80
22						84	88	14	80	88	76	82
23						82	88	99	85	91	94	78
24						78	87	98	76	90	94	98
25						77	94	96	79	89	---	99
26						75	97	98	74	77	---	98
27						86	96	97	74	76	90	98
28						96	92	96	92	92	96	96
29						98	86	100	86	98	95	97
30						100	86	100	92	92	82	91
31						100	---	100	---	88	82	---
MAX						100	100	100	100	100	98	99
MIN						53	82	4	66	65	76	78

07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°52'24", long 92°58'00", in NW1/4SE1/4 sec.3, T.10 N., R.6 W., Natchitoches Parish, Hydrologic Unit 11140209, on downstream side of bridge on parish road, 1.8 mi (2.9 km) northeast of Chivery Dam, 2.8 mi (4.5 km) upstream from Allen Dam, and 5.0 mi (8.0 km) northeast of Clarence.

DRAINAGE AREA.--908 mi^2 or 2,352 km^2 (see REMARKS).

PERIOD OF RECORD.--December 1969 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 88.49 ft (26.972 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, at datum 6.00 ft (1.829 m) higher.

REMARKS.--Drainage area does not include 412 mi^2 (1,067 km^2) of Saline Lake. Flows are interchangeable between Black and Saline Lakes, combined usable capacity, 161,000 acre-ft (198 hm^3). Considerable regulation by Allen and Chivery Dams. Lakes are used for recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.88 ft or 5.755 m (present datum) Jan. 30, 1974; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.22 ft (3.420 m) June 10, 11; minimum observed, 8.59 ft (2.618 m) Oct. 17.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.81	9.01	9.29	9.36	9.60	9.62	9.57	9.56	9.74	9.60	9.26	8.84
2	8.81	9.00	9.29	9.35	9.60	9.66	9.57	9.56	9.72	9.58	9.24	8.90
3	8.80	9.00	9.30	9.35	9.61	9.70	9.57	9.52	9.88	9.58	9.22	8.94
4	8.80	9.00	9.30	9.36	9.61	9.90	9.56	9.52	10.02	9.54	9.20	8.96
5	8.80	8.99	9.31	9.38	9.61	10.08	9.56	9.58	10.16	9.52	9.18	8.98
6	8.78	8.99	9.31	9.40	9.60	10.10	9.55	9.58	10.46	9.54	9.16	9.02
7	8.76	8.98	9.32	9.42	9.60	10.16	9.54	9.54	10.72	9.52	9.14	9.10
8	8.74	8.98	9.31	9.44	9.60	10.18	9.54	9.50	10.96	9.52	9.14	9.24
9	8.72	8.97	9.30	9.46	9.61	10.19	9.53	9.50	11.12	9.54	9.12	9.44
10	8.68	8.97	9.34	9.46	9.60	10.16	9.53	9.58	11.20	9.52	9.08	9.58
11	8.66	8.96	9.38	9.46	9.68	10.12	9.52	9.58	11.22	9.48	9.06	9.66
12	8.64	8.96	9.40	9.46	9.72	10.08	9.52	9.56	11.20	9.46	9.06	9.66
13	8.62	8.96	9.40	9.45	9.74	10.04	9.51	9.58	11.18	9.44	9.04	9.64
14	8.62	8.95	9.42	9.45	9.76	10.00	9.51	9.66	11.10	9.44	9.02	9.60
15	8.60	8.98	9.44	9.45	9.76	10.00	9.51	9.64	11.04	9.44	9.00	9.60
16	8.60	8.98	9.46	9.44	9.75	9.96	9.51	9.64	10.98	9.42	8.98	9.56
17	8.59	9.08	9.46	9.44	9.74	9.84	9.50	9.72	10.88	9.40	8.98	9.52
18	8.66	9.16	9.44	9.46	9.72	9.78	9.50	9.76	10.76	9.38	8.96	9.48
19	8.66	9.18	9.42	9.46	9.70	9.76	9.51	9.86	10.64	9.34	8.94	9.42
20	8.65	9.20	9.42	9.48	9.68	9.74	9.51	9.86	10.48	9.32	8.92	9.42
21	8.65	9.20	9.42	9.52	9.66	9.70	9.50	9.84	10.34	9.30	8.90	9.40
22	8.64	9.22	9.41	9.54	9.72	9.70	9.50	9.84	10.24	9.28	8.88	9.38
23	8.64	9.23	9.41	9.56	9.70	9.68	9.49	9.84	10.12	9.26	8.88	9.36
24	8.63	9.22	9.42	9.58	9.68	9.64	9.49	9.82	10.02	9.24	8.90	9.34
25	8.64	9.24	9.41	9.58	9.66	9.62	9.50	9.82	9.94	9.22	8.90	9.32
26	8.64	9.24	9.41	9.58	9.64	9.60	9.50	9.86	9.88	9.20	8.90	9.30
27	8.63	9.26	9.40	9.60	9.62	9.60	9.50	9.84	9.82	9.18	8.90	9.30
28	8.88	9.26	9.40	9.60	9.63	9.59	9.49	9.82	9.76	9.32	8.88	9.28
29	9.02	9.28	9.40	9.60	---	9.59	9.48	9.82	9.70	9.30	8.86	9.26
30	9.02	9.28	9.38	9.61	---	9.58	9.48	9.78	9.64	9.28	8.66	9.24
31	9.01	---	9.38	9.61	---	9.58	---	9.76	---	9.28	8.86	---
MEAN	8.72	9.09	9.38	9.48	9.66	9.84	9.52	9.69	10.43	9.40	9.01	9.32
MAX	9.02	9.28	9.46	9.61	9.76	10.19	9.57	9.86	11.22	9.60	9.26	9.66
MIN	8.59	8.95	9.29	9.35	9.60	9.58	9.48	9.50	9.64	9.18	8.86	8.84

NOTE.--Gage heights for Oct. 1 to Apr. 30 are observations at 0800 by observer from nonrecording gage.

07353000 SALINE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°49'05", long 92°56'55", in NW1/4SE1/4 sec.26, T.10 N., R.6 W., Natchitoches-Winn Parish line, Hydrologic Unit 11140208, near center of span on downstream side of bridge on U.S. Highway 84, 1.8 mi (2.9 km) downstream from Bayou Bourbeaux, 4.0 mi (6.4 km) downstream from Allen Dam, 4.6 mi (7.4 km) east of Clarence, and 6.7 mi (10.8 km) upstream from mouth.

DRAINAGE AREA.--1,386 mi^2 (3,590 km^2).

PERIOD OF RECORD. October 1949 to December 1973. January 1974 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 72.75 ft (22.174 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Nov. 2, 1954, non recording gage at same site and datum. Water-stage recorder for Black Lake Bayou near Clarence (station 07352895) used as supplementary gage for this station December 1969 to December 1973. Prior to Nov. 3, 1954, auxiliary nonrecording gage; Nov. 3, 1954, to Dec. 3, 1969, auxiliary water-stage recorder; and Mar. 1 to Dec. 31, 1975, auxiliary nonrecording gage 5.3 mi (8.5 km) downstream at datum 72.97 ft (22.241 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Gage heights for period Oct. 1 to Nov. 13 are from graph based on once-daily wire-weight gage readings.

AVERAGE DISCHARGE.--24 years (water years 1950-73), 1,182 ft^3/s (33.47 m^3/s), 856,400 acre-ft/yr (1.06 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,200 ft^3/s (402 m^3/s) May 19, 1953; maximum daily reverse flow, 6,570 ft^3/s (186 m^3/s) May 11, 1958 (backwater from Red River); maximum gage height, 40.46 ft (12.332 m) May 21, 1953; minimum discharge (unaffected by backwater), 0.75 ft ^{3}/s (0.021 m^3/s) Oct. 12, 22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1944 reached a stage of 43.6 ft (13.29 m), from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.53 ft (7.782 m) June 11; minimum, 0.80 ft (0.244 m) Oct. 2.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.91	4.80	---	3.30	4.40	5.51	5.62	4.39	12.21	14.04	4.73	2.59
2	.82	4.77	---	3.18	4.61	5.70	5.80	4.81	12.56	13.39	4.39	3.36
3	1.01	4.88	---	3.26	4.18	5.53	5.95	4.85	13.49	12.79	4.11	3.74
4	5.11	4.97	---	3.27	4.04	6.65	6.28	4.97	13.87	12.07	3.94	4.06
5	8.83	5.98	---	3.31	3.99	8.39	6.80	5.21	14.49	11.50	3.71	4.73
6	10.70	7.07	---	---	4.52	8.42	6.74	4.94	16.70	11.22	3.63	4.90
7	10.89	6.28	---	---	4.63	8.62	6.62	4.54	19.48	11.26	3.72	5.08
8	9.52	5.53	---	---	4.93	9.24	6.45	4.22	21.85	11.78	3.83	5.04
9	8.28	4.97	3.76	---	4.75	11.10	6.26	4.26	23.80	13.19	3.72	4.86
10	7.16	4.24	3.67	---	5.19	12.44	6.04	4.86	24.99	13.78	3.44	5.15
11	7.24	3.18	3.33	---	7.04	12.84	5.68	5.63	25.47	13.40	3.21	5.53
12	6.46	2.42	3.25	---	5.70	12.51	5.39	6.62	25.36	13.41	3.00	5.48
13	5.68	2.09	3.42	---	5.81	11.94	5.19	6.72	24.81	13.61	2.84	4.99
14	5.08	1.64	5.77	---	5.63	11.37	5.06	6.69	24.06	13.40	2.90	4.51
15	4.81	1.36	10.43	---	5.51	10.87	4.82	7.51	23.53	12.85	3.12	4.22
16	4.61	1.26	9.83	---	5.57	10.25	4.43	9.84	23.07	12.45	3.10	3.97
17	4.18	1.85	9.28	---	5.73	9.41	4.12	11.15	22.56	12.15	2.93	3.82
18	3.65	2.00	6.95	---	5.93	8.76	3.94	11.95	22.07	11.73	2.75	3.45
19	3.15	1.87	6.66	---	6.33	8.16	3.76	12.81	21.73	10.91	2.56	3.18
20	2.78	3.26	5.87	---	6.72	7.44	3.65	13.44	21.65	10.03	2.19	3.01
21	2.55	4.07	5.18	---	6.82	6.65	3.54	13.78	21.51	9.20	1.92	2.86
22	2.40	4.38	---	---	6.88	6.36	3.47	13.59	21.10	8.45	1.89	2.73
23	2.36	4.50	---	---	6.63	6.04	3.35	13.20	20.37	7.69	2.07	2.69
24	2.35	4.45	---	---	6.37	5.66	3.50	12.76	19.48	6.85	2.21	2.67
25	2.32	4.34	---	---	6.24	5.44	3.33	12.26	18.60	6.29	2.29	2.60
26	3.45	4.23	---	---	6.07	5.28	3.25	11.48	17.88	5.98	2.32	2.52
27	4.82	4.13	---	4.25	5.91	5.08	3.17	10.65	17.34	5.79	2.12	2.44
28	5.21	4.05	---	4.23	5.63	4.96	3.12	10.78	16.80	5.70	1.99	2.36
29	5.12	---	---	4.07	---	4.77	3.27	11.21	15.95	5.49	1.92	2.22
30	5.05	---	---	4.16	---	5.08	3.66	11.65	14.83	5.35	1.85	2.03
31	4.88	---	2.77	4.03	---	5.08	---	12.03	---	5.25	1.99	---
MEAN	4.88	---	---	---	5.56	7.92	4.74	8.88	19.72	10.35	2.92	3.69
MAX	10.89	7.07	10.43	---	7.04	12.84	6.80	13.78	25.47	14.04	4.73	5.53
MIN	.82	1.26	---	3.18	3.99	4.77	3.12	4.22	12.21	5.25	1.85	2.03

07353520 NANTACHIE LAKE NEAR ALOHA, LA

LOCATION.--Lat 31°37'00", long 92°47'04", in SE1/4NW1/4 sec.4, T.7 N., R.4 W., Grant Parish, Hydrologic Unit 11140207, at dam 2.0 mi (3.2 km) upstream from mouth, and 2.5 mi (4.0 km) northwest of Aloha.

DRAINAGE AREA.--80.4 mi^2 (208.2 km^2).

PERIOD OF RECORD.--February 1969 to September 1979. October 1979 to current year (gage heights only).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 92.28 ft (28.127 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed on Nantachie Creek by earthfill dam, completed in 1964. Storage began Oct. 19, 1964. The dam contains a 150-ft (46-m) concrete spillway. The crest of the spillway is 3.05 ft (0.930 m) gage height. Drawdown structure consists of one 5- by 5-ft (1.5- by 1.5-m) metal sluice gate that can be varied from -16.78 to -11.78 ft (-5.115 to -3.591 m) gage height. Area of lake is 1,580 acres (640 hm^2), usable capacity, 11,200 acre-ft (13.8 hm^3) at 3.05 ft (0.930 m) gage height. Reservoir is used for recreation.

AVERAGE DISCHARGE.--9 years (water years 1970-72, 1974-79), 72.6 ft^3/s (2.056 m^3/s), 52,600 acre-ft/yr (64.9 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,470 ft^3/s (268 m^3/s) Apr. 13, 1974, gage height, 9.12 ft (2.780 m); no flow at times most years. Reverse flow possible May 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.68 ft (1.122 m) June 6; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			2.32	2.40	2.74	2.97	3.17	3.00	3.00	2.93	2.87	2.83
2			2.33	2.40	2.79	3.03	3.15	3.00	2.99	2.92	2.86	2.88
3			2.33	2.40	2.78	3.04	3.13	2.98	3.13	2.96	2.83	2.89
4			2.33	2.40	2.78	3.24	3.12	2.96	3.31	3.00	2.82	2.93
5			2.33	2.39	2.79	3.55	---	3.04	3.45	2.99	2.81	2.93
6			2.33	2.39	2.86	3.57	---	3.05	3.68	3.05	2.82	2.91
7			2.33	2.47	2.88	3.57	---	3.04	3.64	3.04	2.80	2.89
8			2.33	2.48	2.91	3.49	---	3.03	3.61	3.04	2.89	2.88
9			2.42	2.49	2.91	3.39	---	3.02	3.50	3.03	2.90	2.87
10			2.42	2.49	2.95	3.33	---	3.08	3.39	3.02	2.91	2.85
11			2.42	2.49	3.02	3.28	---	3.07	3.31	3.01	2.91	2.82
12			2.42	2.50	3.02	3.24	---	3.05	3.25	3.10	2.91	2.81
13			2.42	2.49	3.03	3.21	---	3.04	3.22	3.11	2.91	2.80
14			2.42	2.49	3.04	3.19	---	3.07	3.18	3.10	2.90	2.78
15			2.42	2.50	3.05	3.17	---	3.06	3.15	3.08	2.89	2.79
16			2.42	2.50	3.06	3.16	---	3.10	3.13	3.06	2.89	2.79
17		2.19	2.43	2.50	3.07	3.14	---	3.12	3.13	3.05	2.89	2.78
18		2.20	2.42	2.49	3.08	3.13	---	3.11	3.11	3.03	2.97	2.75
19		2.20	2.43	2.49	3.08	3.10	---	3.15	3.10	3.01	2.97	2.72
20		2.19	2.43	2.57	3.09	3.08	---	3.12	3.08	2.99	2.95	2.70
21		2.19	2.42	2.59	3.09	3.07	3.00	3.09	3.06	2.97	2.93	2.69
22		2.19	2.40	2.61	3.11	3.12	2.98	3.07	3.04	2.96	2.92	2.68
23		2.24	2.40	2.62	3.10	3.12	2.98	3.06	3.03	2.94	2.90	2.67
24		2.25	2.44	2.62	3.05	3.11	3.01	3.06	3.01	2.92	2.89	2.66
25		2.26	2.41	2.63	2.98	3.11	3.00	3.05	2.99	2.90	2.89	2.64
26		2.30	2.40	2.64	2.94	3.11	2.99	3.07	3.03	2.87	2.88	2.63
27		2.31	2.40	2.64	2.94	3.10	2.98	3.06	3.01	2.88	2.86	2.62
28		2.32	2.40	2.65	2.94	3.09	2.97	3.05	2.98	2.87	2.84	2.61
29		2.32	2.40	2.65	---	3.10	2.97	3.04	2.97	2.90	2.83	2.60
30		2.32	2.41	2.65	---	3.19	2.96	3.02	2.95	2.90	2.83	2.58
31		---	2.40	2.66	---	3.17	---	3.01	---	2.89	2.83	---
MEAN		---	2.39	2.53	2.97	3.20	---	3.05	3.18	2.98	2.88	2.77
MAX		2.32	2.44	2.66	3.11	3.57	---	3.15	3.68	3.11	2.97	2.93
MIN		---	2.32	2.39	2.74	2.97	---	2.96	2.95	2.87	2.80	2.58

NOTE:--Below lowest recordable stage of 2.14 ft Oct.1 to Nov. 16

07354100 KISATCHIE BAYOU AT LOTUS, LA
(Formerly published as Kisatchie Bayou near Bellwood)

LOCATION.--Lat 31°29'05", long 93°08'20", NW1/4SE1/4 sec. 24, T. 6 N., R. 8 W., Natchitoches Parish, Hydrologic Unit 11140207, at right bank on downstream side of bridge on unnumbered parish road, 0.5 mi (0.8 km) west of Lotus, 1.2 mi (1.9 km) downstream from Sheard Branch, and 4.8 mi (7.7 km) southeast of Bellwood.

DRAINAGE AREA.--140 mi^2 (363 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements water years 1956-63 (published as "near Bellwood"). December 1979 to current year. Gage-height records and discharge measurements December 1938 to July 1942 and January 1956 to September 1979 are in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 123.57 ft (37.664 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to January 1956 at datum 1.24 ft (0.378 m) higher.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water years 1980-81 are published under miscellaneous water-quality sites in this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1939, reached a stage of 19.3 ft (5.88 m), present datum.

EXTREMES FOR CURRENT PERIOD.--December 1979 to September 1980: Maximum discharge, 3,160 ft^3/s (89.5 m^3/s) Mar. 28, gage height, 16.15 ft (4.923 m) from rating curve extended above 1,500 ft^3/s (42 m^3/s); minimum, 3.0 ft^3/s (0.085 m^3/s) Sept. 21, 22, 23, 24, 25, 26, gage height, 2.30 ft (0.701 m).

Water year 1981: Maximum discharge, 3,060 ft^3/s (86.7 m^3/s) June 5, gage height, 15.91 ft (4.849 m); minimum, 3.0 ft^3/s (0.085 m^3/s) Oct. 11, 12, 13, 14, 15, 16, 17. Minimum gage height, 1.95 ft^3/s (0.594 m) Sept. 27, 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	93	394	445	464	112	77	17	13	6.5
2			---	80	202	261	385	149	68	16	13	5.3
3			---	79	154	139	674	159	62	16	9.6	5.0
4			---	94	130	115	390	101	58	15	8.4	4.9
5			---	84	120	125	266	83	54	15	8.0	4.7
6			37	72	162	109	216	72	49	14	8.1	4.7
7			36	66	133	96	201	65	46	13	7.5	4.4
8			33	65	195	98	181	64	42	13	7.2	4.8
9			31	60	2860	89	147	61	40	12	6.9	5.4
10			30	58	2330	80	126	56	37	12	6.9	5.2
11			29	100	666	74	114	53	35	12	6.9	4.7
12			989	107	406	73	1000	49	33	11	6.6	4.4
13			2410	71	314	72	1950	60	32	11	7.7	4.2
14			563	61	259	62	1170	80	30	10	6.9	4.0
15			260	55	225	56	416	502	28	9.8	6.0	4.2
16			175	53	211	55	255	2930	27	9.5	5.7	3.9
17			131	53	211	554	203	2390	26	9.2	5.5	3.7
18			104	51	181	381	457	792	25	12	5.5	3.5
19			94	49	160	326	260	1780	25	13	5.5	3.4
20			88	49	149	937	168	1060	25	13	5.6	3.2
21			82	93	137	1190	136	592	32	11	5.1	3.2
22			89	1030	123	327	114	896	31	11	5.0	3.3
23			417	1040	111	191	99	401	38	14	4.7	3.1
24			1590	382	100	242	89	258	30	13	4.4	3.4
25			459	217	93	187	503	195	27	11	4.1	3.2
26			197	327	83	196	1760	163	24	9.8	4.0	4.2
27			137	259	79	937	447	137	22	10	4.0	4.6
28			110	162	79	3030	233	144	21	28	4.6	4.2
29			104	132	86	1090	159	114	19	26	5.3	5.1
30			150	136	---	2520	126	97	18	15	5.5	7.1
31			121	1130	---	703	---	86	---	12	8.7	---
TOTAL			---	6916	10355	15620	12709	13701	1081	414.3	205.9	131.5
MEAN			---	223	357	504	424	442	36.0	13.4	6.64	4.38
MAX			---	1040	2860	3030	1950	2930	77	28	13	7.1
MIN			---	49	79	55	89	49	18	9.2	4.0	3.1
CFSM			---	1.59	2.55	3.60	3.03	3.16	.26	.10	.05	.03
IN.			---	1.84	2.75	4.15	3.38	3.64	.29	.11	.05	.03
AC-FT			---	13720	20540	30980	25210	27180	2140	822	408	261

07354100 KISATCHIE BAYOU AT LOTUS, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	8.3	12	12	20	18	14	18	13	23	8.0	5.8
2	7.2	7.8	11	12	55	23	12	71	15	22	8.0	6.0
3	6.4	7.6	11	12	35	27	16	36	300	21	7.6	10
4	5.8	7.3	11	12	27	742	13	19	248	23	7.1	18
5	5.4	7.2	10	12	25	697	13	322	1680	25	7.5	14
6	5.0	7.0	9.9	14	57	165	11	209	1950	76	7.5	9.7
7	4.7	6.9	9.9	20	74	81	10	67	781	57	8.4	7.1
8	4.3	6.6	9.8	26	45	57	10	38	779	51	12	6.0
9	4.0	6.4	14	22	32	45	10	29	269	42	8.9	5.2
10	3.8	6.1	28	18	30	38	10	164	150	34	7.0	4.8
11	3.5	6.4	22	16	33	33	9.6	94	124	24	9.5	4.5
12	3.6	6.4	17	16	31	30	9.2	44	106	19	9.9	4.2
13	3.2	6.4	14	15	26	29	9.0	29	113	131	8.8	4.1
14	3.1	6.7	13	15	23	28	9.0	29	90	54	6.1	4.5
15	3.0	12	12	15	22	26	8.8	31	69	32	5.6	4.8
16	3.0	22	12	15	21	23	13	266	63	24	5.3	8.9
17	4.3	69	11	15	21	22	9.6	405	81	19	4.9	8.6
18	14	47	11	15	20	20	8.4	102	58	16	5.0	6.2
19	26	24	11	15	20	19	8.1	50	50	14	5.2	5.1
20	17	18	11	27	19	18	7.9	34	43	12	6.6	4.6
21	11	16	11	71	19	18	7.7	27	38	11	6.4	4.2
22	8.6	14	11	43	19	26	7.6	22	33	11	5.2	4.0
23	7.4	21	11	30	19	32	8.3	19	33	10	5.0	3.8
24	6.7	17	12	25	18	25	10	18	73	9.5	5.2	3.7
25	6.4	15	12	22	17	22	11	18	56	9.1	5.0	3.6
26	6.0	19	11	20	17	20	9.6	20	97	8.8	4.6	3.5
27	6.9	24	12	19	16	18	8.2	17	74	13	4.6	3.3
28	9.3	19	12	18	16	17	7.4	16	42	16	4.4	3.2
29	15	15	12	18	---	16	6.9	14	32	14	4.6	3.3
30	13	13	12	17	---	20	7.1	13	26	10	4.3	3.1
31	9.5	---	12	17	---	17	---	12	---	8.8	4.7	---
TOTAL	234.7	462.1	388.6	624	777	2372	295.6	2253	7486	840.2	202.9	177.8
MEAN	7.57	15.4	12.5	20.1	27.8	76.5	9.85	72.7	250	27.1	6.55	5.93
MAX	26	69	28	71	74	742	16	405	1950	131	12	18
MIN	3.0	6.1	9.8	12	16	16	6.9	12	13	8.8	4.3	3.1
CFSM	.05	.11	.09	.14	.20	.55	.07	.52	1.79	.19	.05	.04
IN.	.06	.12	.10	.17	.21	.63	.08	.60	1.99	.22	.05	.05
AC-FT	466	917	771	1240	1540	4700	586	4470	14850	1670	402	353

CAL YR 1980 TOTAL 62219.1 MEAN 170 MAX 3030 MIN 3.0 CFSM 1.21 IN 16.53 AC-FT 123400
WTR YR 1981 TOTAL 16113.9 MEAN 44.1 MAX 1950 MIN 3.0 CFSM .32 IN 4.26 AC-FT 31960

07354100 KISATCHIE BAYOU AT LOTUS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	3.70	6.23	6.59	6.75	4.17	3.75	2.75	2.64	2.43
2			---	3.52	4.83	5.30	6.23	4.49	3.64	2.73	2.66	2.39
3			---	3.49	4.39	4.23	7.87	4.61	3.56	2.71	2.56	2.38
4			---	3.72	4.14	3.96	6.27	4.04	3.49	2.70	2.53	2.38
5			---	3.57	4.02	4.08	5.44	3.83	3.41	2.68	2.51	2.37
6			2.84	3.40	4.47	3.90	5.11	3.69	3.34	2.67	2.51	2.37
7			2.83	3.35	4.17	3.74	5.01	3.60	3.28	2.66	2.49	2.35
8			2.78	3.29	4.50	3.77	4.85	3.58	3.22	2.65	2.48	2.37
9			2.75	3.24	15.35	3.65	4.52	3.54	3.18	2.64	2.47	2.39
10			2.72	3.21	13.77	3.51	4.31	3.45	3.14	2.63	2.47	2.39
11			2.71	3.83	7.83	3.43	4.19	3.39	3.10	2.61	2.47	2.37
12			7.50	3.87	6.39	3.41	8.94	3.34	3.06	2.61	2.46	2.36
13			14.06	3.39	5.72	3.40	12.71	3.51	3.03	2.59	2.49	2.35
14			7.24	3.24	5.30	3.25	9.91	3.79	2.99	2.58	2.47	2.34
15			5.31	3.16	5.04	3.16	6.43	5.91	2.96	2.57	2.44	2.35
16			4.59	3.12	4.92	3.15	5.37	15.56	2.95	2.56	2.43	2.34
17			4.14	3.12	4.91	7.03	5.02	14.06	2.93	2.55	2.42	2.33
18			3.85	3.09	4.64	6.15	6.69	8.39	2.91	2.63	2.42	2.32
19			3.72	3.05	4.45	5.56	5.40	11.84	2.90	2.66	2.42	2.32
20			3.63	3.05	4.34	9.02	4.73	9.54	2.91	2.65	2.42	2.31
21			3.55	3.69	4.21	9.99	4.41	7.39	3.04	2.61	2.40	2.31
22			3.63	8.28	4.06	5.79	4.19	8.87	3.03	2.60	2.39	2.31
23			6.36	11.56	3.92	4.73	4.02	6.34	3.15	2.69	2.38	2.31
24			11.54	6.17	3.80	5.16	3.90	5.39	---	2.65	2.37	2.32
25			6.61	4.96	3.69	4.70	6.04	4.96	2.95	2.61	2.35	2.31
26			4.78	5.81	3.56	4.77	12.05	4.68	2.90	2.57	2.35	2.35
27			4.21	5.30	3.50	8.47	6.60	4.42	2.86	2.57	2.35	2.36
28			3.91	4.47	3.49	15.83	5.22	4.49	2.82	2.97	2.37	2.35
29			3.84	4.15	3.60	12.44	4.64	4.19	2.79	2.96	2.40	2.38
30			4.35	4.19	---	14.40	4.31	4.00	2.76	2.72	2.41	2.45
31			4.04	9.81	---	8.29	---	3.86	---	2.62	2.50	---
MEAN			---	4.38	5.28	5.96	6.04	5.71	---	2.66	2.45	2.36
MAX			14.06	11.56	15.35	15.83	12.71	15.56	3.75	2.97	2.66	2.45
MIN			---	3.05	3.49	3.15	3.90	3.34	2.76	2.55	2.35	2.31

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.48	2.49	---	2.53	2.65	2.60	---	2.72	2.61	2.58	2.20	2.11
2	2.46	2.48	---	2.52	3.29	2.72	---	3.64	2.67	2.55	2.20	2.12
3	2.43	2.47	---	2.52	2.96	2.79	---	3.10	5.18	2.55	2.19	2.27
4	---	2.40	---	2.52	2.80	7.04	---	2.78	5.28	2.57	2.17	2.48
5	---	2.46	2.54	2.51	2.75	7.62	---	5.50	10.81	2.63	2.19	2.37
6	---	2.45	2.54	2.56	3.29	4.65	---	4.99	12.51	3.45	2.18	2.26
7	---	2.45	2.54	2.70	3.58	3.80	---	3.61	8.34	3.18	2.21	2.17
8	---	2.44	2.54	2.83	3.13	3.47	---	3.14	8.30	3.08	2.34	2.12
9	---	2.43	2.64	2.73	2.91	3.27	---	2.99	5.37	2.93	2.23	2.08
10	2.33	2.42	2.97	2.65	2.86	3.14	---	4.54	4.35	2.79	2.17	2.06
11	2.32	2.43	2.84	2.61	2.91	3.06	---	3.94	4.07	2.60	2.24	2.05
12	2.32	2.43	2.71	2.58	2.88	3.00	---	3.25	3.87	2.51	2.26	2.03
13	2.31	2.43	2.65	2.57	2.79	2.97	---	2.98	3.94	3.94	2.16	2.02
14	2.31	2.44	2.61	2.56	2.73	2.96	---	2.98	3.65	3.12	2.13	2.04
15	2.30	2.58	2.59	2.56	2.69	2.91	---	3.01	3.35	2.77	2.11	2.06
16	2.30	2.83	2.57	2.56	2.68	2.87	---	4.87	3.27	2.60	2.09	2.22
17	2.35	3.62	2.56	2.54	2.68	2.84	---	6.29	3.52	2.50	2.07	2.22
18	2.63	3.30	2.55	2.54	2.67	2.80	2.50	4.03	3.19	2.42	2.07	2.13
19	2.92	2.89	2.55	2.55	2.66	2.78	2.49	3.35	3.06	2.37	2.08	2.08
20	2.72	2.75	2.55	2.61	2.64	2.75	2.48	3.08	2.94	2.33	2.22	2.05
21	2.58	---	2.54	3.55	2.62	2.76	2.47	2.93	2.86	2.31	2.14	2.03
22	2.50	---	2.53	3.09	2.64	2.92	2.47	2.85	2.79	2.29	2.09	2.02
23	2.46	---	2.53	2.86	2.63	3.03	2.49	2.78	2.77	2.27	2.07	2.01
24	2.44	---	2.54	2.76	2.62	2.90	2.55	2.75	3.41	2.25	2.09	2.00
25	2.43	---	2.54	2.70	2.59	2.84	2.57	2.75	3.15	2.24	2.06	1.99
26	2.42	---	2.53	2.66	2.58	---	2.53	2.79	3.69	2.23	2.05	1.98
27	2.45	---	2.53	2.64	2.56	---	2.49	2.73	3.42	2.33	2.05	1.96
28	2.52	---	2.53	2.62	2.55	---	2.46	2.69	2.94	2.42	2.04	1.96
29	2.67	---	2.53	2.60	---	---	2.45	2.65	2.75	2.37	2.05	1.97
30	2.61	---	2.53	2.59	---	---	2.45	2.62	2.65	2.27	2.04	1.95
31	2.53	---	2.53	2.57	---	---	---	2.60	---	2.23	2.06	---
MEAN	---	---	---	2.66	2.80	---	---	3.38	4.36	2.60	2.14	2.09
MAX	2.92	---	2.97	3.55	3.58	7.82	---	6.29	12.51	3.94	2.34	2.48
MIN	2.30	2.42	2.53	2.51	2.55	---	2.45	2.60	2.61	2.23	2.04	1.95

07354950 RED RIVER AT COLFAX, LA (CE 04450)

LOCATION.--Lat 31°30'58", long 92°43'13", in lot 38, T.6 N., R.3 W., Grant Parish, Hydrologic Unit 11140207, at mouth of Cane River, 0.3 mi (0.5 km) west of Colfax, and at mile 140.5 (226.1 km).

DRAINAGE AREA.--66,860 mi^2 (173,167 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1975 to current year.
CHLORIDE: October 1974 to current year.
SUSPENDED-SEDIMENT CONCENTRATION: December 1975 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 11, 1978; minimum daily, 2.0°C Jan. 21, 1977.
CHLORIDE: Maximum daily, 400 mg/L June 29, 1978; minimum daily, 14 mg/L May 13, 1975, Apr. 6, 1977.
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily, 4,940 mg/L Mar. 25, 1977; minimum daily, 31 mg/L July 14, 1977.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 31.0°C July 1-5, 12, 16-28, 31; Minimum daily, 6.5°C Jan. 5, 12.
CHLORIDE: Maximum daily, 260 mg/L Oct. 1, 2; minimum daily, 20 mg/L Oct. 10, 13, 14, Dec. 19.
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily, 1,180 mg/L Mar. 15; minimum daily, 62 mg/L Feb. 4, Sept. 25.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	18.0	10.0	7.0	10.0	15.0	23.0	24.0	26.0	31.0	30.0	27.0
2	22.0	18.0	10.0	8.0	10.0	14.5	23.0	24.5	27.0	31.0	30.0	27.0
3	22.0	18.0	10.0	7.0	9.5	14.5	23.0	24.5	28.0	31.0	30.0	27.0
4	22.0	18.0	10.0	7.0	8.5	15.0	23.0	24.5	28.0	31.0	30.0	27.0
5	22.0	18.0	11.0	6.5	8.0	15.5	23.0	24.0	26.0	31.0	30.0	27.0
6	20.0	18.0	11.0	7.0	8.0	15.0	24.0	23.5	26.0	28.0	30.0	27.0
7	20.0	18.0	11.0	7.0	8.0	14.5	24.0	23.5	26.0	28.0	30.0	26.0
8	20.0	---	11.0	8.0	8.0	14.0	24.0	23.0	27.0	29.0	30.0	26.0
9	20.0	---	11.0	8.0	8.0	13.5	24.0	22.0	27.0	30.0	30.0	26.0
10	20.0	---	11.0	8.5	9.0	14.0	24.0	21.5	27.0	30.0	30.0	26.0
11	20.0	---	11.0	8.0	8.0	14.5	24.0	21.5	27.0	30.0	29.0	26.0
12	20.0	---	11.0	6.5	8.0	14.5	24.0	21.5	27.0	31.0	29.0	26.0
13	20.0	---	7.0	7.0	8.0	14.5	24.0	21.0	27.0	30.0	29.0	25.0
14	20.0	---	7.0	8.0	7.0	14.5	24.0	21.0	27.0	30.0	29.0	25.0
15	20.0	---	7.0	8.0	9.0	14.5	24.0	21.0	27.0	30.0	29.0	25.0
16	20.0	---	7.0	7.0	9.0	15.0	23.0	21.0	27.0	31.0	29.0	25.0
17	21.0	---	7.0	8.0	9.0	15.0	23.0	21.0	28.0	31.0	29.0	25.0
18	21.0	13.0	7.0	8.0	11.0	15.0	23.0	21.0	28.0	31.0	29.0	25.0
19	21.0	13.0	7.0	8.0	11.0	14.5	23.0	21.0	28.0	31.0	29.0	25.0
20	21.0	13.0	7.0	7.0	10.5	14.5	23.0	21.0	28.0	31.0	29.0	25.0
21	21.0	9.0	7.0	7.0	12.0	14.0	23.0	21.0	27.0	31.0	29.0	25.0
22	21.0	9.0	7.0	7.0	12.0	14.0	23.0	22.0	27.0	31.0	29.0	25.0
23	21.0	9.0	7.0	7.0	13.0	14.0	23.0	23.0	27.0	31.0	29.0	25.0
24	21.0	9.0	7.0	8.0	13.0	14.5	23.0	23.0	27.0	31.0	29.0	25.0
25	19.0	10.0	7.0	10.0	14.0	15.0	24.0	23.0	28.0	31.0	29.0	25.0
26	19.0	10.0	7.0	12.0	14.0	15.5	24.0	23.5	28.0	31.0	29.0	25.0
27	19.0	10.0	7.0	12.0	14.5	16.5	24.0	24.0	28.0	31.0	29.0	25.0
28	16.0	10.0	7.0	---	14.5	17.0	24.0	24.0	28.0	31.0	29.0	25.0
29	15.0	10.0	7.0	12.0	---	18.0	24.0	24.5	28.0	30.0	29.0	25.0
30	14.0	10.0	7.0	13.0	---	18.0	24.0	25.0	28.0	30.0	29.0	25.0
31	14.0	---	7.0	12.0	---	18.0	---	25.5	---	31.0	29.0	---
MAX	22.0	18.0	11.0	13.0	14.5	18.0	24.0	25.5	28.0	31.0	30.0	27.0
MIN	14.0	9.0	7.0	6.5	7.0	13.5	23.0	21.0	26.0	28.0	29.0	25.0

07354950 RED RIVER AT COLFAX, LA (CE 04450)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	260	50	60	34	120	86	94	96	76	110	160	140
2	260	55	130	27	140	70	150	88	74	130	160	82
3	240	60	130	49	140	86	170	61	72	110	160	80
4	240	40	140	56	140	61	170	72	70	100	160	170
5	150	95	120	59	140	68	160	94	44	90	170	160
6	60	70	110	55	120	67	150	84	48	76	170	210
7	55	80	120	86	110	66	140	58	54	72	200	210
8	40	50	120	98	130	62	110	56	57	71	200	170
9	40	50	120	100	90	60	98	84	62	78	200	180
10	20	50	110	110	110	32	100	86	76	81	210	190
11	50	55	120	110	110	54	110	77	78	63	210	200
12	---	50	110	120	110	38	53	130	90	62	220	220
13	20	60	120	120	110	46	51	140	90	50	210	230
14	20	65	110	100	86	28	94	110	84	44	110	210
15	50	60	70	100	94	26	42	96	80	31	110	200
16	30	65	35	94	100	30	42	58	75	56	100	210
17	35	50	45	89	120	50	46	60	98	50	100	200
18	35	75	25	86	120	54	110	80	99	24	120	210
19	30	60	20	80	110	54	110	48	110	32	120	190
20	35	60	30	84	100	58	110	34	90	43	160	190
21	35	50	30	120	85	53	110	38	90	42	160	180
22	45	40	55	110	58	52	100	40	86	51	200	170
23	40	45	35	120	95	48	110	48	87	48	200	150
24	35	50	40	130	100	58	100	50	88	58	180	110
25	40	40	50	110	84	60	100	50	93	61	180	110
26	45	40	60	110	50	59	100	49	58	66	180	100
27	65	55	60	130	88	66	98	50	60	74	110	120
28	60	50	65	120	76	71	86	50	63	95	110	120
29	95	55	45	120	---	80	100	58	72	120	110	110
30	95	60	30	120	---	74	110	52	72	130	110	120
31	55	---	30	120	---	63	---	66	---	130	110	---
MAX	260	95	140	130	140	86	170	140	110	130	220	230
MIN	20	40	20	27	50	26	42	34	44	24	100	80

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	233	135	208	189	179	134	243	331	437	136	156
2	99	149	103	223	102	158	178	183	332	422	134	103
3	108	157	110	142	96	159	146	239	467	375	104	103
4	336	200	130	166	62	275	454	158	468	325	194	200
5	648	274	116	154	89	333	216	216	360	358	117	199
6	626	306	97	169	107	283	293	262	425	431	121	291
7	675	391	113	181	148	242	166	224	652	367	117	189
8	477	579	120	123	223	245	122	155	1120	436	98	266
9	419	255	144	135	196	792	116	150	1160	484	97	153
10	336	231	155	164	369	661	138	241	588	361	126	135
11	356	162	96	121	181	714	135	259	949	499	125	140
12	343	178	94	77	197	895	104	388	637	404	142	130
13	178	172	550	92	215	711	115	298	513	301	139	129
14	212	237	681	136	252	373	203	446	620	378	127	104
15	176	241	160	102	243	1180	128	245	287	340	99	87
16	174	244	80	118	208	491	154	657	593	366	114	103
17	139	421	651	166	271	418	85	762	509	269	117	70
18	131	145	362	195	230	442	129	807	509	273	94	132
19	163	285	321	117	284	339	122	966	657	275	76	97
20	148	318	371	141	299	316	71	942	583	190	115	94
21	141	274	361	132	286	404	79	816	567	195	82	68
22	139	118	221	105	411	248	100	761	532	166	112	87
23	112	115	283	111	231	251	83	539	258	142	132	91
24	170	191	321	195	261	200	139	552	598	143	134	95
25	122	130	126	119	253	121	95	606	585	102	260	62
26	220	247	168	106	331	197	100	442	553	108	99	70
27	266	280	184	85	203	106	69	412	545	109	76	70
28	152	279	169	99	167	166	74	278	510	76	92	86
29	315	78	223	103	---	197	153	261	452	119	95	85
30	419	71	126	107	---	141	177	367	421	102	101	155
31	264	---	189	107	---	129	---	653	---	138	100	---
MAX	675	579	681	223	411	1180	454	966	1160	499	260	291
MIN	99	71	80	77	62	106	69	150	258	76	76	62

07355130 RED RIVER AT BOYCE, LA (CE 04525)

LOCATION.--Lat 31°27'37", long 92°40'04", T.5 N., R.3 W., Grant-Rapides Parish line, Hydrologic Unit 11140207, near center of span on downstream side of bridge on State Highway 8, 0.2 mi (0.3 km) northwest of Boyce, and at mile 135.0 (217.2 km).

DRAINAGE AREA.--66,998 mi2 (173,525 km2), of which 5,936 mi2 (15,374 km2) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 14...	1430	212	6.9	21.0	40	65	<1.0	8.2	36	5.3	1200	500
NOV 18...	1530	598	7.3	12.5	30	45	<1.0	11.2	23	--	1100	K300
DEC 01...	1500	424	7.4	13.0	60	30	<1.0	10.3	30	3.1	4600	800
JAN 05...	1430	396	6.7	8.5	30	35	<1.0	11.6	36	5.3	3400	240
FEB 02...	1635	657	7.1	10.0	20	100	<1.0	--	36	3.7	2100	960
MAR 03...	0930	427	6.6	16.0	30	40	<1.0	9.1	28	--	1600	550
APR 06...	1430	796	7.5	21.0	20	35	<1.0	8.9	37	2.2	K2200	160
MAY 14...	0830	676	7.2	22.5	15	130	<1.0	7.7	43	1.2	17000	280
JUN 11...	0815	483	7.1	26.0	20	280	<1.0	4.7	41	.9	K1500	K900
JUL 06...	1420	481	7.3	28.0	20	80	<1.0	6.4	51	.4	8200	3400
AUG 07...	0800	1150	8.2	32.0	15	20	<1.0	7.6	61	4.4	K40	K20
SEP 04...	0730	797	7.7	26.5	15	35	<1.0	7.0	55	1.8	5200	--

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT 14...	66	0	20	3.9	66	16	18	116	.65	.04	.69	1.2
NOV 18...	170	24	50	11	146	52	67	83	.27	.03	.30	.91
DEC 01...	110	23	32	7.3	87	38	50	48	.41	.01	.42	.61
JAN 05...	100	3	32	5.7	100	35	38	63	.13	.02	.15	1.4
FEB 02...	180	57	51	13	124	69	89	24	.43	.02	.45	1.4
MAR 03...	95	27	27	6.7	68	49	64	21	.27	.02	.29	1.1
APR 06...	170	79	48	12	90	93	130	109	.00	.01	.01	--
MAY 14...	130	71	37	10	63	82	110	234	.32	.02	.34	1.1
JUN 11...	120	51	35	7.5	67	58	72	584	.14	.12	.26	.70
JUL 06...	110	42	33	7.0	69	58	77	168	.13	.03	.16	1.0
AUG 07...	250	120	68	19	124	130	220	12	.10	.00	.10	.73
SEP 04...	180	39	50	14	144	77	120	112	.07	.01	.08	.82

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)
OCT												
14...	.26	2	1	0	<1	1	<1	0	0	8	10	10
NOV												
18...	.09	1	1	0	<1	0	<1	0	0	9	4	30
DEC												
01...	.13	1	1	0	<1	1	<1	0	0	7	2	150
JAN												
05...	.15	1	1	10	<1	0	<1	10	0	5	6	110
FEB												
02...	.26	2	0	0	<1	5	1	10	1	20	5	80
MAR												
03...	.45	2	1	0	<1	0	<1	10	2	6	4	100
APR												
06...	.17	1	1	0	<1	0	1	20	0	1	2	30
MAY												
14...	.16	10	1	0	0	0	1	10	0	10	3	70
JUN												
11...	.35	3	1	0	0	1	0	30	0	18	2	80
JUL												
06...	.16	7	2	0	<1	0	<1	20	0	9	4	80
AUG												
07...	.10	2	2	0	<1	0	<1	10	0	12	4	10
SEP												
04...	.18	3	2	0	<1	0	<1	0	0	11	7	<10

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
14...	18	4	.1	.0	7	6	0	0	2.0	20	4	9.7
NOV												
18...	8	1	.1	.1	6	2	0	0	6.0	20	7	12
DEC												
01...	10	4	.1	.0	6	3	0	0	1.0	10	5	14
JAN												
05...	19	0	2.0	.8	6	3	0	0	2.0	20	10	13
FEB												
02...	20	3	.9	1.1	20	0	0	0	4.0	30	10	--
MAR												
03...	4	4	.6	.0	5	1	1	0	2.0	20	10	12
APR												
06...	10	3	.1	.1	5	0	0	0	--	20	6	10
MAY												
14...	12	2	.1	.1	9	4	0	0	--	20	10	11
JUN												
11...	12	3	.1	.1	20	1	0	0	6.0	50	20	9.8
JUL												
06...	20	2	.2	.1	6	3	0	0	3.0	30	10	9.3
AUG												
07...	12	3	.4	.0	0	1	0	0	--	10	17	7.9
SEP												
04...	10	1	.2	.0	5	4	0	0	--	40	9	--

< Actual value is known to be less than the value shown.

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT 14...	.00	0	0	.0	0	.0	0	.000	.0	.0	0	.000
NOV 18...	.00	2	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
DEC 01...	.00	1	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
JAN 05...	.00	2	0	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001
FEB 02...	.00	2	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
MAR 03...	.00	3	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
APR 06...	.00	4	0	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001
MAY 14...	.00	4	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
JUN 11...	.00	3	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
JUL 06...	.00	0	0	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001
AUG 07...	.00	2	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
SEP 04...	>.01	0	0	--	--	--	--	--	--	--	--	--

DATE	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT 14...	.5	.000	.2	.000	.3	.01	.0	.000	.0	.000	.0	.000
NOV 18...	--	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001
DEC 01...	--	<.001	--	<.001	--	.04	--	.002	--	<.001	--	<.001
JAN 05...	.3	<.001	1.4	<.001	.1	.03	--	.001	<.1	<.001	<.1	<.001
FEB 02...	--	<.001	--	.004	--	.04	--	.002	--	<.001	--	<.001
MAR 03...	--	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001
APR 06...	.4	<.001	1.0	<.001	.4	.02	<.1	<.001	<.1	<.001	<.1	<.001
MAY 14...	--	<.001	--	<.001	--	.02	--	.005	--	<.001	--	<.001
JUN 11...	--	<.001	--	<.001	--	<.01	--	.002	--	<.001	--	<.001
JUL 06...	.2	<.001	.3	<.001	<.1	<.01	<.1	.001	<.1	<.001	<.1	<.001
AUG 07...	--	<.001	--	<.001	--	.06	--	<.001	--	<.001	--	<.001
SEP 04...	--	--	--	--	--	.03	--	--	--	--	--	--

< Actual value is known to be less than the value shown.
> Actual value is known to be greater than the value shown.

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)
OCT 14...	.0	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0	.00
NOV 18...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
DEC 01...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
JAN 05...	<.1	<.01	--	<.001	<.1	<.001	<.1	<.001	<.1	<.01	--	<.01
FEB 02...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
MAR 03...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
APR 06...	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01
MAY 14...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
JUN 11...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
JUL 06...	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01
AUG 07...	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01
SEP 04...	--	<.01	--	--	--	--	--	--	--	<.01	--	--

DATE	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)
OCT 14...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
NOV 18...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
DEC 01...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
JAN 05...	<.1	<.01	--	<.01	--	<.01	<.1	<.01	--	<.01	<.1	<.1
FEB 02...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
MAR 03...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
APR 06...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
MAY 14...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
JUN 11...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
JUL 06...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
AUG 07...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1
SEP 04...	--	<.01	--	<.01	--	--	--	<.01	--	--	--	--

< Actual value is known to be less than the value shown.

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT							
14...	0	.00	.0	.02	.00	.01	.00
NOV							
18...	--	<.01	--	.01	.00	.00	.00
DEC							
01...	--	<.01	--	.02	.00	.01	.00
JAN							
05...	<1	<.01	--	.02	.00	.00	.00
FEB							
02...	--	<.01	--	<.01	<.01	<.01	<.01
MAR							
03...	--	<.01	--	.01	<.01	<.01	<.01
APR							
06...	<1	<.01	<.1	.05	<.01	<.01	<.01
MAY							
14...	--	<.01	--	.04	<.01	.02	<.01
JUN							
11...	--	<.01	--	.11	.05	.01	<.01
JUL							
06...	<1	<.01	<.1	.02	.01	.01	<.01
AUG							
07...	--	<.01	--	.02	<.01	.10	<.01
SEP							
04...	--	<.01	--	.02	<.01	.04	<.01

< Actual value is known to be less than the value shown.

07355500 RED RIVER AT ALEXANDRIA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 31°18'46", long 92°26'34", in SE1/4 sec.10, T.4 N., R.1 W., Rapides Parish, Hydrologic Unit 08040401, near center of span on downstream side of Murray Street bridge between Alexandria and Pineville, and 1.7 mi (2.7 km) downstream from Bayou Rigolette. Water-quality sampling site at center of channel 0.3 mi (0.5 m) downstream.

DRAINAGE AREA.--67,500 mi2 (174,800 km2), of which 5,936 mi2 (15,374 km2) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to September 1980 (see NOTE). Since January 1928, in reports of Mississippi River Commission. Discharge observations in 1858 and intermittently 1879 to 1927, and gage heights since 1872 in reports of Mississippi River Commission.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1241: 1929-36.

GAGE.--Wire-weight gage read twice daily. Datum of gage is 44.26 ft (13.490 m) National Geodetic Vertical Datum of 1929 or 44.18 ft (13.466 m) above mean Gulf level, Mississippi River Commission datum (levels by Corps of Engineers). Prior to July 14, 1934, nonrecording gage at same site and datum.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir. See Red River near Hosston (station 07344400).

COOPERATION.--Gage-height record and computations of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--52 years (water years 1929-80) 30,970 ft^3/s (877.1 m^3/s), 22,437,800 acre-ft/yr (27.7 km^{3}yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 233,000 ft^3/s (6,600 m^3/s) Apr. 17, 1945, gage height, 45.23 ft (13.786 m); minimum, 873 ft^3/s (24.7 m^3/s) Oct. 30, 1956, gage height, -3.01 ft (-0.917 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 210,000 ft^3/s (5,950 m^3/s) was measured July 2, 1908, gage height, 41.6 ft (12.68 m).

EXTREMES FOR CURRENT YEAR.--Water Year 1980: Maximum daily discharge, 63,300 ft^3/s (1,790 m^3/s) Apr. 20, gage height, 19.36 ft (5.901m); minimum daily, 3,900 ft^3/s (110 m^3/s) Aug. 27.

NOTE.--Records for the 1981 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14000	8800	14000	39000	50000	28000	59000	34000	29000	20000	4800	12000
2	15000	9800	13000	40000	48000	27000	57000	30000	27000	18000	4700	8500
3	15000	8900	12000	40000	46000	26000	54000	29000	26000	16000	4500	5700
4	15000	8900	12000	39000	43000	24000	52000	29000	27000	15000	4400	4800
5	15000	9000	11000	39000	40000	22000	51000	29000	28000	13000	4300	5500
6	14000	9000	10000	39000	38000	21000	50000	29000	34000	12000	4200	6200
7	14000	8900	9600	38000	37000	20000	47000	29000	38000	11000	4100	6300
8	14000	8900	8600	35000	36000	18000	45000	28000	40000	10000	4100	6900
9	14000	8800	8100	32000	40000	17000	41000	28000	38000	9100	4100	10000
10	14000	9000	7600	30000	50000	16000	29000	26000	36000	8200	4400	12000
11	14000	9000	7100	28000	57000	16000	26000	24000	37000	7700	5000	10000
12	14000	9000	6800	27000	58000	15000	28000	22000	39000	7500	5500	9700
13	13000	9700	15000	25000	59000	15000	34000	21000	37000	7200	5600	9200
14	13000	10000	21000	23000	59000	15000	45000	21000	34000	6800	5400	8500
15	11000	10000	20000	21000	62000	14000	56000	20000	32000	6400	5000	7900
16	10000	9900	18000	19000	63000	13000	62000	22000	30000	6100	4700	7400
17	8900	9700	15000	16000	62000	14000	63000	34000	28000	5900	4600	7100
18	8300	9600	14000	15000	60000	16000	63000	45000	25000	5700	4400	6700
19	8000	9400	14000	14000	57000	16000	63000	55000	23000	5700	4400	6200
20	7800	8800	15000	14000	53000	19000	63000	58000	22000	6100	4400	5800
21	7800	8100	15000	13000	51000	22000	59000	57000	21000	7000	4600	5500
22	7500	8200	15000	13000	48000	25000	56000	57000	21000	7900	4700	5100
23	8000	13000	15000	21000	44000	26000	50000	57000	18000	8300	4600	4900
24	8100	16000	16000	29000	42000	26000	46000	59000	18000	7900	4500	4800
25	8200	18000	18000	39000	41000	27000	43000	60000	18000	7400	4700	4900
26	8100	19000	20000	47000	38000	28000	48000	55000	27000	7000	4900	4800
27	7500	18000	22000	53000	35000	28000	50000	49000	26000	6200	3900	4400
28	6900	16000	22000	53000	33000	37000	49000	44000	27000	5800	5400	4400
29	6300	15000	24000	52000	30000	43000	46000	39000	25000	5600	9300	4200
30	6200	14000	28000	51000	---	51000	39000	35000	22000	5300	11000	4200
31	8200	---	31000	51000	---	66000	---	32000	---	5100	13000	---
TOTAL	334800	329400	477800	995000	1380000	741000	1470000	1157000	848100	270700	163200	203400
MEAN	10800	10980	15410	32100	47590	23900	49000	37320	28270	8732	5265	6780
MAX	15000	19000	31000	53000	63000	66000	63000	60000	40000	20000	13000	12000
MIN	6200	8100	6800	13000	30000	13000	26000	20000	18000	5100	3900	4200
AC-FT	664100	653400	947700	1974000	2737000	1470000	2916000	2295000	1682000	536900	323700	403400

CAL YR 1979 TOTAL 13494400 MEAN 36970 MAX 117000 MIN 6200 AC-FT 26770000
WTR YR 1980 TOTAL 8370300 MEAN 22870 MAX 63000 MIN 3900 AC-FT 16600000

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.33	2.47	5.49	13.37	16.35	10.74	17.33	13.92	11.70	7.95	-.35	-1.15
2	6.03	2.43	5.03	13.57	15.99	10.30	16.98	12.98	11.00	7.25	-.65	-.82
3	6.24	2.49	4.70	13.56	15.34	9.92	16.54	12.68	10.57	6.58	-.89	-.55
4	6.07	2.51	4.40	13.47	14.65	9.44	16.05	12.74	10.84	5.94	-.98	-.46
5	5.63	2.53	4.00	13.42	13.96	8.78	15.81	12.69	11.37	5.22	-1.10	-.44
6	5.20	2.53	3.43	13.37	13.43	8.22	15.54	12.53	12.22	4.49	-1.25	.05
7	4.91	2.49	2.83	13.07	13.13	7.84	15.02	12.57	13.77	3.97	-1.39	.17
8	4.65	2.47	2.24	12.25	12.86	7.33	14.35	12.34	14.20	3.51	-1.40	.60
9	4.48	2.44	1.87	11.42	13.90	6.69	13.32	12.02	13.70	2.98	-1.39	2.49
10	4.27	2.57	1.59	10.69	16.31	6.34	12.10	11.69	13.07	2.45	-.97	3.55
11	4.11	2.58	1.25	10.18	17.59	6.29	11.07	11.07	13.50	2.13	-.19	3.63
12	4.02	2.60	1.06	9.71	18.21	6.24	11.84	10.40	14.07	2.03	.31	3.27
13	3.96	3.03	5.43	9.08	18.07	6.14	13.46	10.10	13.50	1.80	.40	2.90
14	3.75	3.40	7.90	8.27	18.00	6.01	16.24	9.80	12.60	1.53	.19	2.45
15	3.26	3.34	7.54	7.42	18.33	5.65	18.16	9.56	11.95	1.28	-.15	2.00
16	2.87	3.16	6.99	6.62	18.49	5.17	19.14	10.25	11.37	1.05	-.58	1.62
17	2.48	3.04	6.29	5.86	18.38	5.58	19.27	14.16	10.60	.88	-.83	1.40
18	2.15	2.98	5.86	5.25	17.97	6.31	19.23	16.56	9.65	.72	-1.04	1.17
19	1.91	2.82	5.93	4.92	17.48	6.46	19.44	18.31	8.92	.71	-1.08	.76
20	1.78	2.46	6.18	4.52	16.89	7.79	19.36	19.09	8.65	1.00	-.97	.67
21	1.80	2.01	6.22	4.21	16.40	9.07	18.86	18.65	8.25	1.58	-.80	.24
22	1.61	2.06	6.12	4.13	15.90	10.15	18.08	18.19	8.30	2.07	-.70	-.09
23	1.96	4.89	6.03	7.70	15.15	10.61	17.36	18.16	7.45	2.28	-.75	-.28
24	1.99	7.22	6.33	10.81	14.66	10.61	16.63	18.50	7.15	2.08	-.87	-.34
25	2.08	8.34	7.16	14.09	14.30	10.21	15.86	18.57	7.35	1.83	-.71	-.30
26	1.99	8.69	7.59	15.95	13.68	9.79	16.92	17.87	8.65	1.56	-.52	-.38
27	1.65	8.19	8.11	17.10	12.97	9.81	17.24	16.77	10.00	1.09	-.38	-.75
28	1.26	7.29	8.38	17.25	12.13	11.96	17.02	15.71	10.37	.77	-.52	-.97
29	.91	6.55	9.11	16.95	11.35	13.80	16.20	14.63	9.75	.34	-.90	-1.00
30	.80	5.98	10.98	16.55	---	15.73	15.03	13.41	8.85	.20	-1.08	-1.01
31	2.08	---	12.51	16.50	---	16.84	---	12.45	---	.02	-1.26	---
MEAN	3.26	3.85	5.76	11.01	15.58	8.90	16.31	14.14	10.78	2.49	-.74	.61
MAX	6.24	8.69	12.51	17.25	18.49	16.84	19.44	19.09	14.20	7.95	.40	3.63
MIN	.80	2.01	1.06	4.13	11.35	5.17	11.07	9.56	7.15	.02	-1.40	-1.15

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947, 1952-62, 1969, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1952 to September 1963, June 1973 to July 1981 (discontinued).
WATER TEMPERATURES: October 1952 to September 1963, June 1973 to current year.
CHLORIDE: October 1974 to current year.
SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1980.

COOPERATION.--Samples for daily chloride and suspended-sediment are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 04600.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,020 micromhos Oct. 8, 1956; minimum daily, 133 micromhos June 24, 1953.
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 2, 8, 10, 1956; minimum daily 3.0°C Jan. 22, 1978.
CHLORIDE: Maximum daily, 420 mg/L Oct. 12, 1978; minimum daily, 8.6 mg/L Apr. 7, 1977.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,495,000 tons (1,356,000 tonnes) Dec. 9, 1973; minimum daily, 1,000 tons (907 tonnes) Oct. 10-22, 1972, Oct. 1 to Nov. 7, 1978, Sept. 27-30, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,460 micromhos Oct. 2; minimum daily, 212 micromhos Oct. 14.
WATER TEMPERATURES: Maximum daily, 32.0°C July 24; minimum daily, 5.0°C Jan. 13.
CHLORIDE: Maximum daily, 250 mg/L Oct. 1, 2; minimum daily, 14 mg/L Oct. 19.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT												
14...	1215	208	6.1	22.0	40	40	7.7	3.1	560	320	69	10
NOV												
18...	1245	496	7.2	13.0	40	36	10.2	--	K2000	8800	140	23
DEC												
01...	1200	439	7.0	11.5	70	36	10.4	3.0	740	260	100	19
JAN												
05...	1730	394	6.5	8.5	40	47	11.9	4.5	180	780	120	18
FEB												
05...	1030	764	7.6	7.5	30	44	10.8	2.7	440	--	200	70
MAR												
05...	0800	350	7.3	16.0	50	130	8.8	1.4	K2400	--	88	34
APR												
06...	1215	919	7.4	21.0	20	48	8.8	2.3	180	K30	210	96
MAY												
14...	1015	722	7.3	22.5	10	180	7.9	1.4	1200	--	160	94
JUN												
11...	1000	471	7.3	26.0	20	500	4.2	1.8	K1700	--	130	56
JUL												
06...	1240	494	7.1	28.0	20	120	6.4	.2	840	2900	120	47
AUG												
07...	0940	1160	8.2	31.0	15	10	7.7	3.5	K40	860	250	120
SEP												
04...	0925	908	7.6	26.5	15	64	6.9	2.9	--	--	220	66

K Results based on colony count outside the acceptable range (non-ideal count).

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
OCT											
14...	19	5.2	12	2.7	59	16	17	.2	6.4	129	114
NOV											
18...	41	10	43	4.0	121	39	58	.2	7.5	304	277
DEC											
01...	30	7.1	44	5.0	85	38	60	.1	7.1	250	243
JAN											
05...	34	7.3	38	3.0	97	36	39	.2	7.7	225	188
FEB											
05...	52	17	76	3.1	130	78	110	.2	5.7	433	420
MAR											
05...	24	6.8	32	2.6	56	40	45	.2	5.6	201	188
APR											
06...	55	17	110	4.2	99	110	168	.2	3.5	519	519
MAY											
14...	63	14	89	3.3	70	87	138	.1	4.3	415	404
JUN											
11...	35	9.7	41	3.2	76	53	68	.1	6.9	276	262
JUL											
06...	33	7.4	66	3.5	69	59	73	.1	8.1	273	272
AUG											
07...	69	19	140	4.9	126	130	218	.2	2.3	672	652
SEP											
04...	62	17	92	4.4	159	93	130	.2	2.6	510	496

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT											
14...	.75	.75	.04	.04	1.3	1.1	.35	.26	--	5.6	2.3
NOV											
18...	.98	1.0	.08	.09	1.0	1.1	.11	.07	10	--	--
DEC											
01...	.37	.37	.04	.04	1.2	.81	.09	.08	9.8	--	--
JAN											
05...	.20	.19	.02	.03	1.7	1.1	.10	.03	--	8.7	.8
FEB											
05...	.19	.14	.10	.03	1.1	.83	.15	.06	10	--	--
MAR											
05...	--	.50	--	.14	1.2	1.3	.31	.08	14	--	--
APR											
06...	--	.21	--	.10	1.5	.76	.26	.07	--	10	1.7
MAY											
14...	.37	.39	.14	.15	1.6	1.1	.16	.07	8.2	--	--
JUN											
11...	.30	.33	.20	.18	1.5	1.4	.50	.03	12	--	--
JUL											
06...	.16	.18	--	.31	1.1	1.2	.13	.06	--	11	.3
AUG											
07...	.12	.14	.15	.16	.89	.63	.08	.08	7.8	--	--
SEP											
04...	.03	.02	.11	.09	1.8	1.3	.23	.09	13	--	--

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)
OCT 14...	2	1	100	50	1	1	0	0	1	3
JAN 05...	1	1	100	70	0	3	10	0	0	<3
APR 06...	1	1	200	100	0	2	20	10	2	<3
JUL 06...	5	2	200	200	1	<1	20	0	1	<3

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
OCT 14...	16	7	3800	10	10	2	240	1	.1
JAN 05...	7	4	1900	100	13	4	130	20	.6
APR 06...	2	4	2400	20	2	2	210	50	.1
JUL 06...	11	6	4900	80	19	1	290	4	.4

DATE	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 14...	.0	7	1	0	0	0	0	40	7
JAN 05...	4.3	7	3	0	0	0	0	--	50
APR 06...	.1	5	0	0	0	0	0	30	9
JUL 06...	.1	6	5	0	0	0	0	40	10

DATE	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DISSOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
JAN 05...	<3.2	3.5	2.2	2.4	4.4	2.5	4.3	2.3	.10	.35
JUL 06...	<4.7	12	3.2	8.2	3.9	10	3.9	9.7	.09	.34

< Actual value is known to be less than the value shown.

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
NOV 18...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)
NOV 18...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 14...	--	322	78
NOV 18...	21000	267	86
DEC 01...	--	182	74
JAN 05...	--	174	84
FEB 05...	--	238	94
MAR 05...	11000	507	77
APR 06...	--	324	82
MAY 14...	34000	400	97
JUN 11...	9700	1380	92
JUL 06...	9900	423	85
AUG 07...	490000	137	88
SEP 04...	110000	208	96

ND Material specifically analyzed for but not detected.

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1420	489	448	271	849	457	525	851	472	510		
2	1460	389	448	269	414	483	611	650	451	544		
3	1440	328	539	290	531	444	824	612	460	620		
4	1390	300	613	394	677	425	940	421	439	604		
5	1340	297	788	400	743	364	963	498	369	559		
6	662	369	875	403	776	353	938	590	280	519		
7	435	505	868	450	739	382	798	554	259	499		
8	387	487	738	570	750	372	787	423	325	490		
9	310	389	709	665	821	368	680	389	389	473		
10	269	367	756	693	893	423	591	491	467	479		
11	238	385	777	722	606	417	591	526	509	614		
12	225	390	736	820	578	261	681	511	556	481		
13	---	393	715	867	563	294	559	846	566	404		
14	212	415	740	852	637	323	479	753	536	426		
15	220	443	686	808	619	252	407	635	509	439		
16	221	490	386	767	539	227	365	552	487	356		
17	240	511	422	742	610	241	360	482	490	291		
18	251	516	319	720	623	302	388	445	574	241		
19	258	561	265	729	742	353	412	503	607	235		
20	272	665	238	707	656	355	478	337	627	250		
21	297	576	243	688	611	369	602	259	614	297		
22	326	537	252	761	543	364	731	234	541	335		
23	340	501	261	---	395	341	743	273	547	371		
24	348	418	280	848	359	345	737	315	552	375		
25	362	341	305	852	571	389	722	332	532	404		
26	403	357	297	884	582	406	696	321	436	428		
27	358	334	341	827	533	417	727	321	410	431		
28	438	358	370	862	477	461	729	314	434	487		
29	486	366	435	895	---	484	708	349	443	546		
30	661	412	405	853	---	490	758	370	481	660		
31	628	---	304	847	---	472	---	342	---	768		
MAX	1460	665	875	895	893	490	963	851	627	768		
MIN	212	297	238	269	359	227	360	234	259	235		

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	14.0	10.0	7.5	13.5	17.0	18.5	24.5	25.0	29.0		
2	23.5	14.0	13.0	8.5	10.0	15.5	19.0	23.0	25.5	28.0		
3	21.5	14.0	11.5	8.0	8.0	15.0	20.0	23.0	25.0	28.0		
4	20.0	15.0	11.5	8.0	8.5	15.0	21.0	23.0	---	28.0		
5	21.0	15.0	11.5	7.5	8.0	15.0	19.5	22.5	25.5	28.5		
6	---	15.5	13.0	8.0	8.0	15.0	19.5	22.5	---	27.0		
7	---	15.5	14.0	8.0	8.0	14.0	19.5	22.5	25.5	27.0		
8	---	16.5	16.0	7.5	8.5	13.5	19.5	22.0	26.0	27.5		
9	---	17.0	14.5	9.0	8.5	13.0	20.0	22.5	26.0	27.5		
10	19.5	17.5	13.0	8.0	11.0	13.0	20.5	21.0	27.0	27.0		
11	20.0	18.0	12.0	8.0	7.0	13.0	20.0	21.0	26.0	28.0		
12	19.5	---	10.5	6.5	7.0	13.0	21.5	21.0	26.0	---		
13	---	---	11.5	5.0	6.5	13.0	22.0	21.0	26.5	29.0		
14	18.0	---	11.5	7.0	6.0	12.5	22.5	22.0	27.0	30.0		
15	20.0	18.0	11.0	8.0	8.0	13.5	22.0	21.5	27.0	30.0		
16	21.0	15.5	11.5	7.5	9.0	14.0	23.0	21.0	27.5	30.0		
17	22.0	14.5	10.0	7.5	10.0	14.0	23.0	22.0	26.5	30.5		
18	22.0	14.5	11.0	7.5	10.5	15.5	23.5	22.5	27.0	30.5		
19	21.0	10.5	11.0	8.0	12.0	13.0	23.0	23.0	---	30.5		
20	20.0	10.5	9.5	7.5	11.5	13.0	23.5	20.5	27.5	31.0		
21	19.0	10.5	9.0	7.0	13.0	14.5	24.0	20.0	27.5	31.0		
22	19.0	11.0	8.5	7.5	13.0	13.5	24.0	20.5	27.5	31.0		
23	19.5	11.5	8.5	---	11.0	13.0	23.0	21.0	28.0	31.5		
24	19.0	11.5	11.0	8.0	12.5	13.5	23.0	22.0	27.0	32.0		
25	16.0	11.5	7.5	8.0	13.5	14.0	23.5	23.0	27.0	31.5		
26	19.0	11.0	7.0	10.0	14.0	15.5	23.5	22.5	28.0	31.0		
27	19.0	8.0	7.5	12.0	15.0	15.0	22.5	23.5	28.0	31.0		
28	17.0	9.0	7.5	7.0	16.0	16.5	24.5	23.5	28.0	30.0		
29	15.0	9.0	7.5	10.5	---	17.0	24.0	24.0	27.5	30.0		
30	14.5	10.0	7.5	12.5	---	17.0	25.0	25.0	28.5	29.0		
31	13.5	---	8.0	12.0	---	18.0	---	26.0	---	30.0		
MAX	23.5	18.0	16.0	12.5	16.0	18.0	25.0	26.0	28.5	32.0		
MIN	13.5	8.0	7.0	5.0	6.0	12.5	18.5	20.0	25.0	27.0		

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	250	65	60	60	92	84	110	150	100	99	150	120
2	250	45	55	45	98	72	210	110	87	94	140	120
3	240	65	70	50	---	80	150	100	94	98	150	120
4	230	35	90	45	---	65	170	80	80	94	150	110
5	100	35	130	50	---	42	170	60	49	90	220	100
6	100	45	140	50	---	40	160	78	48	77	210	130
7	55	60	140	55	90	50	120	81	36	74	210	130
8	40	70	100	90	90	48	140	50	49	72	210	180
9	25	50	---	90	93	48	120	55	51	66	200	190
10	20	50	---	95	92	63	95	65	45	77	200	190
11	25	50	100	100	180	45	94	72	76	96	200	190
12	15	45	95	120	82	26	120	70	90	92	190	160
13	16	50	90	120	81	36	86	81	87	62	200	160
14	16	55	100	120	100	38	68	110	87	59	190	200
15	16	50	150	95	91	25	62	96	80	72	170	200
16	18	55	45	95	85	21	44	88	77	57	160	180
17	18	55	50	95	94	36	44	98	97	36	170	180
18	20	50	45	85	96	38	42	66	98	28	170	180
19	14	50	40	80	110	51	45	76	110	24	80	190
20	16	70	20	75	120	51	56	34	120	29	88	200
21	28	65	35	85	75	51	79	32	120	40	110	190
22	30	50	30	90	74	54	100	25	100	41	120	150
23	36	50	30	110	52	47	100	31	86	50	110	160
24	36	50	30	100	55	48	100	44	94	50	120	150
25	36	45	30	110	100	55	96	50	92	50	190	120
26	34	25	50	110	100	52	92	46	68	50	180	130
27	40	30	45	110	72	58	94	48	62	56	170	130
28	60	45	60	120	70	60	94	50	65	56	170	120
29	46	40	55	130	---	66	91	52	72	66	130	100
30	62	55	50	110	---	60	79	65	78	68	120	110
31	74	---	60	110	---	60	---	52	---	92	120	---
MAX	250	70	150	130	180	84	210	150	120	99	220	200
MIN	14	25	20	45	52	21	42	25	36	24	80	100

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	STREAM-FLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
11...	13900	236	8860	63
NOV				
08...	8900	249	5980	59
29...	14600	285	11200	70
DEC				
13...	14600	560	22100	100
JAN				
03...	39500	612	65300	85
31...	51000	1170	161000	67
FEB				
14...	59500	1170	188000	53
MAR				
13...	15300	412	17000	71
27...	27700	448	33500	52
APR				
10...	29100	409	32100	69
24...	46400	577	72300	64
MAY				
09...	28000	449	33900	61
22...	56700	773	118000	62
JUN				
05...	28500	361	27800	73
JUL				
03...	16000	427	18400	87
17...	5900	239	3810	99
31...	5100	274	3800	99
AUG				
21...	4600	203	2500	99
SEP				
05...	5500	190	2820	93
18...	6700	199	3600	93

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20000	5000	11000	67000	155000	50000	109000	45000	32000	26000	3000	10000
2	21000	5000	11000	68000	144000	47000	102000	37000	28000	22000	3000	6000
3	19000	6000	10000	66000	134000	44000	93000	35000	25000	18000	3000	3000
4	18000	6000	10000	64000	119000	38000	87000	35000	26000	17000	3000	2000
5	16000	6000	9000	66000	106000	33000	83000	35000	27000	13000	3000	3000
6	13000	6000	8000	67000	97000	30000	80000	35000	38000	12000	3000	3000
7	12000	6000	8000	65000	92000	28000	72000	36000	46000	10000	2000	3000
8	11000	6000	7000	58000	88000	23000	66000	34000	51000	9000	2000	4000
9	11000	6000	7000	51000	103000	21000	57000	34000	48000	8000	2000	7000
10	10000	6000	6000	47000	148000	19000	32000	30000	45000	6000	3000	10000
11	9000	6000	6000	43000	182000	19000	27000	27000	48000	6000	3000	7000
12	9000	6000	6000	41000	186000	17000	30000	23000	53000	6000	4000	7000
13	8000	7000	23000	37000	190000	17000	42000	22000	50000	5000	4000	6000
14	8000	7000	38000	33000	189000	16000	66000	22000	44000	5000	4000	5000
15	6000	7000	34000	29000	204000	14000	95000	21000	41000	4000	3000	5000
16	5000	7000	28000	25000	207000	12000	113000	24000	37000	4000	3000	4000
17	5000	6000	21000	19000	201000	14000	116000	49000	34000	4000	3000	4000
18	4000	6000	18000	18000	189000	17000	116000	78000	29000	4000	2000	4000
19	4000	6000	17000	16000	173000	16000	117000	110000	26000	4000	2000	3000
20	4000	5000	19000	16000	152000	21000	117000	120000	24000	4000	2000	3000
21	4000	5000	19000	15000	142000	26000	106000	118000	23000	5000	3000	2000
22	4000	5000	18000	15000	128000	31000	92000	119000	23000	7000	3000	2000
23	4000	10000	18000	33000	110000	33000	82000	116000	19000	7000	2000	2000
24	4000	13000	19000	57000	101000	32000	72000	120000	19000	7000	2000	2000
25	4000	16000	23000	94000	97000	33000	64000	121000	19000	6000	2000	2000
26	4000	17000	26000	129000	85000	35000	77000	102000	27000	6000	3000	2000
27	4000	16000	30000	160000	74000	34000	83000	83000	36000	5000	2000	1000
28	3000	13000	29000	162000	66000	53000	81000	68000	39000	4000	3000	1000
29	3000	12000	33000	160000	57000	67000	68000	55000	35000	4000	7000	1000
30	3000	11000	41000	158000	---	87000	56000	45000	29000	4000	9000	1000
31	5000	---	47000	161000	---	101000	---	38000	---	4000	12000	---
TOTAL	255000	239000	600000	2040000	3919000	1028000	2401000	1837000	1021000	246000	105000	115000
MEAN	8230	7970	19400	65800	135000	33200	80000	59300	34000	7940	3390	3830
MAX	21000	17000	47000	162000	207000	101000	117000	121000	53000	26000	12000	10000
MIN	3000	5000	6000	15000	57000	12000	27000	21000	19000	4000	2000	1000

WTR YR 1980 TOTAL 13800000 MEAN 37700 MAX 207000 MIN 1000

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

DATE	NOV 18,80	MAR 5,81	MAY 14,81	JUN 11,81
TIME	1245	0800	1015	1000
TOTAL CELLS/ML	21000	11000	34000	9700
DIVERSITY: DIVISION	1.2	1.4	1.5	1.1
.CLASS	1.3	1.4	1.5	1.1
..ORDER	1.4	2.0	2.0	1.7
...FAMILY	1.5	2.4	2.5	2.0
....GENUS	2.3	3.0	2.9	2.0

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	*	0	--	-
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	--	-	3300	10	--	-
...MICRACTINIACEAE								
....MICRACTINIUM	--	-	330	3	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	300	1	360	3	410	1	--	-
....CHODATELLA	--	-	*	0	--	-	--	-
....CLOSTERIOPSIS	*	0	*	0	--	-	--	-
....DICTYOSPHAERIUM	300	1	330	3	--	-	210	2
....FRANCEIA	*	0	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	*	0	--	-
....OOCYSTIS	--	-	--	-	9900#	29	560	6
....QUADRIGULA	--	-	--	-	--	-	--	-
...SCENEDESMACEAE								
....CRUCIGENIA	--	-	220	2	--	-	--	-
....SCENEDESMUS	1200	6	55	1	410	1	--	-
....TETRASTRUM	--	-	220	2	--	-	--	-
..TETRASPORALES								
...COCCOMYXACEAE								
....ELAKATOTHRIX	--	-	--	-	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CARTERIA	--	-	--	-	210	1	--	-
....CHLAMYDOMONAS	--	-	190	2	930	3	--	-
..ZYGNEMATALES								
...DESMIDIACEAE								
....EUASTRUM	--	-	--	-	*	0	--	-
....STAURASTRUM	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....COSCINODISCUS	--	-	110	1	--	-	--	-
....CYCLOTELLA	4900#	24	830	8	1300	4	--	-
....MELOSIRA	9200#	45	4200#	39	8900#	26	1700#	17
....STEPHANODISCUS	200	1	110	1	720	2	--	-
..PENNALES								
...ACHNANTHACEAE								
....COCCONEIS	--	-	--	-	--	-	--	-
...FRAGILARIACEAE								
....SYNEDRA	--	-	55	1	--	-	--	-
...GOMPHONEMATACEAE								
....GOMPHONEMA	--	-	55	1	--	-	--	-
...NAVICULACEAE								
....NAVICULA	--	-	140	1	*	0	140	1
...NITZSCHIACEAE								
....NITZSCHIA	200	1	190	2	620	2	--	-
.CHRYSOPHYCEAE								
..CHRYSOMONADALES								
...CHROMULINACEAE								
....CHRYSOCOCCUS	200	1	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	3200#	16	--	-	--	-	--	-
....ANACYSTIS	400	2	2200#	21	2300	7	1800#	18
....COCCOCHLORIS	--	-	--	-	410	1	--	-
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	4100	12	--	-
....CYLINDROSPERMUM	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	--	-	--	-
....OSCILLATORIA	--	-	740	7	--	-	4900#	51
...RIVULARIACEAE								
....RAPHIDIOPSIS	--	-	280	3	--	-	420	4

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

DATE	NOV 18,80		MAR 5,81		MAY 14,81		JUN 11,81	
TIME	1245		0800		1015		1000	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	*	0	--	-	--	-	--	-
....TRACHELOMONAS	200	1	--	-	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..PERIDINIALES								
...PERIDINIACEAE								
....PERIDINIUM	--	-	--	-	--	-	--	-

DATE	JUL 6,81		AUG 7,81		SEP 4,81	
TIME	1240		0940		0925	
TOTAL CELLS/ML	9900		490000		110000	
DIVERSITY: DIVISION	1.4		0.1		0.5	
.CLASS	1.4		0.1		0.5	
..ORDER	2.0		0.1		0.6	
...FAMILY	2.7		1.1		1.9	
....GENUS	3.0		1.9		1.9	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHARACIACEAE						
....SCHROEDERIA	--	-	--	-	--	-
...HYDRODICTYACEAE						
....PEDIASTRUM	--	-	--	-	--	-
...MICRACTINIACEAE						
....MICRACTINIUM	--	-	--	-	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	--	-	--	-	--	-
....CHODATELLA	--	-	--	-	--	-
....CLOSTERIOPSIS	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	*	0	2300	2
....FRANCEIA	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	--	-
....OOCYSTIS	1200	13	--	-	--	-
....QUADRIGULA	110	1	--	-	--	-
...SCENEDESMACEAE						
....CRUCIGENIA	340	3	--	-	--	-
....SCENEDESMUS	230	2	--	-	--	-
....TETRASTRUM	--	-	--	-	--	-
..TETRASPORALES						
...COCCOMYXACEAE						
....ELAKATOTHRIX	57	1	--	-	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CARTERIA	--	-	--	-	--	-
....CHLAMYDOMONAS	85	1	--	-	--	-
..ZYGNEMATALES						
...DESMIDIACEAE						
....EUASTRUM	--	-	--	-	--	-
....STAURASTRUM	*	0	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

DATE	JUL 6,81		AUG 7,81		SEP 4,81	
TIME	1240		0940		0925	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....COSCINODISCUS	250	3	--	-	--	-
....CYCLOTELLA	620	6	*	0	6300	6
....MELOSIRA	400	4	--	-	--	-
....STEPHANODISCUS	--	-	--	-	--	-
..PENNALES						
...ACHNANTHACEAE						
....COCCONEIS	--	-	--	-	950	1
...FRAGILARIACEAE						
....SYNEDRA	--	-	--	-	1300	1
...GOMPHONEMATACEAE						
....GOMPHONEMA	--	-	--	-	--	-
...NAVICULACEAE						
....NAVICULA	--	-	--	-	--	-
...NITZSCHIACEAE						
....NITZSCHIA	710	7	*	0	--	-
.CHRYSOPHYCEAE						
..CHRYSOMONADALES						
...CHROMULINACEAE						
....CHRYSOCOCCUS	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	-	--	-	--	-
....ANACYSTIS	590	6	--	-	--	-
....COCCOCHLORIS	--	-	--	-	--	-
..HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	570	6	14000	3	41000#	36
....CYLINDROSPERMUM	--	-	94000#	19	--	-
...OSCILLATORIACEAE						
....LYNGBYA	--	-	140000#	30	--	-
....OSCILLATORIA	4000#	40	210000#	42	45000#	40
...RIVULARIACEAE						
....RAPHIDIOPSIS	650	7	23000	5	17000	15
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	--	-	--	-
....TRACHELOMONAS	*	0	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)						
.DINOPHYCEAE						
..PERIDINIALES						
...PERIDINIACEAE						
....PERIDINIUM	*	0	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07355600 RED RIVER AT MONCLA, LA (CE 04657)

LOCATION.--Lat 31°12'10", long 92°08'30", T.3 N., R.3 W., Avoyelles Parish, Hydrologic Unit 08040301, near center of span on downstream side of bridge on State Highway 115, 1.4 mi (2.3 km) west of Moncla, and at mile 74.0 (119.1 km).

DRAINAGE AREA.--67,625 mi^2 (175,149 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1971, 1973 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 14...	1000	217	6.2	21.0	50	120	<1.0	7.5	39	3.4	--	660
NOV 18...	1100	507	7.1	13.0	30	110	<1.0	10.2	23	--	4000	680
DEC 01...	1000	406	6.0	11.0	70	35	<1.0	10.9	37	4.9	1500	1000
JAN 16...	0930	848	7.5	8.5	30	10	<1.0	11.9	36	4.2	--	K180
FEB 05...	1145	607	7.2	7.0	30	65	<1.0	10.2	12	1.7	3400	300
MAR 05...	0900	373	6.2	16.0	40	70	<1.0	8.7	33	2.2	14000	K1800
APR 06...	1030	942	7.2	20.5	20	40	<1.0	9.1	43	3.4	K1700	140
MAY 14...	1130	790	7.1	23.5	5	100	<1.0	8.1	52	2.0	18000	1200
JUN 11...	1115	469	7.1	26.0	20	300	<1.0	4.1	48	.9	--	3000
JUL 06...	1000	517	7.1	28.0	20	110	<1.0	6.7	26	1.3	K6000	460
AUG 07...	1115	963	8.4	31.5	15	15	<1.0	8.7	50	1.6	K250	K32
SEP 04...	1040	856	7.8	27.5	10	40	<1.0	7.6	54	2.7	720	--

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)
OCT 14...	68	9	20	4.3	59	19	19	216	.81	.08	.89	.95
NOV 18...	140	19	42	9.0	123	42	53	142	.45	.03	.48	.92
DEC 01...	110	23	30	7.4	82	37	54	52	.35	.01	.36	.72
JAN 16...	220	42	61	16	176	74	110	44	.19	.02	.21	.94
FEB 05...	150	43	42	11	107	61	81	56	.23	.03	.26	1.2
MAR 05...	89	39	25	6.2	49	44	52	180	.25	.04	.29	1.3
APR 06...	200	100	58	14	98	120	160	108	.06	.00	.06	.87
MAY 14...	170	89	46	13	79	99	140	246	.35	.01	.36	1.4
JUN 11...	120	48	35	7.6	71	55	69	668	.20	.13	.33	1.7
JUL 06...	120	58	36	8.0	65	64	79	89	.11	.03	.14	1.3
AUG 07...	200	86	56	15	116	110	170	35	.23	.00	.23	.46
SEP 04...	210	39	56	16	170	82	120	98	.04	.00	.04	.00

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
OCT												
14...	.27	2	1	0	<1	1	<1	10	0	10	6	30
NOV												
18...	.10	2	1	10	<1	0	<1	0	0	9	4	50
DEC												
01...	.12	1	1	0	<1	0	<1	0	0	7	7	130
JAN												
16...	.08	2	1	0	<1	0	<1	0	0	5	1	20
FEB												
05...	.20	2	1	0	<1	1	<1	0	3	9	3	130
MAR												
05...	.19	2	1	0	0	0	0	10	0	8	4	140
APR												
06...	.19	1	1	0	<1	0	2	20	0	2	3	20
MAY												
14...	.14	--	1	0	0	0	0	10	0	10	3	40
JUN												
11...	.59	3	1	0	0	1	0	40	0	18	3	70
JUL												
06...	.19	3	2	0	0	1	1	0	0	12	7	50
AUG												
07...	.09	2	2	0	<1	0	<1	10	0	12	5	<10
SEP												
04...	.05	2	2	0	<1	0	<1	10	0	--	40	190

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
14...	15	1	.1	.0	10	3	0	0	2.0	30	6	11
NOV												
18...	8	1	.1	.0	8	2	0	0	6.0	30	10	12
DEC												
01...	8	3	.5	.0	6	4	0	0	.0	10	9	10
JAN												
16...	5	10	.1	.0	4	0	0	0	--	10	<3	11
FEB												
05...	24	3	.1	.9	0	0	0	0	1.0	30	20	14
MAR												
05...	7	0	.1	.1	10	1	1	0	2.0	130	10	10
APR												
06...	5	0	.1	.1	5	0	0	0	--	20	6	11
MAY												
14...	17	0	--	.5	8	2	--	0	--	20	10	11
JUN												
11...	22	3	.1	.2	22	2	0	0	3.0	60	30	14
JUL												
06...	14	6	.2	.0	6	11	0	0	3.0	30	20	11
AUG												
07...	4	2	.9	.3	0	2	0	0	--	20	6	7.2
SEP												
04...	18	2	1.3	.1	8	4	0	0	--	30	26	10

< Actual value is known to be less than the value shown.

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT 14...	.00	0	0	.0	0	.0	0	.000	.0	.0	0	.000
NOV 18...	.00	1	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
DEC 01...	.00	1	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
JAN 16...	.00	0	0	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01
FEB 05...	.00	2	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
MAR 05...	.00	3	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
APR 06...	.00	3	0	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001
MAY 14...	.00	3	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
JUN 11...	.00	1	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
JUL 06...	.00	0	0	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001
AUG 07...	.00	2	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001
SEP 04...	>.01	0	0	<.1	--	<.1	--	<.001	--	<.1	--	<.001

DATE	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT 14...	.0	.000	.0	.000	.0	.00	.0	.002	.0	.000	.0	.000
NOV 18...	--	<.001	--	<.001	--	.03	--	<.001	--	<.001	--	<.001
DEC 01...	--	<.001	--	<.001	--	.04	--	.002	--	<.001	--	<.001
JAN 16...	.1	<.01	.2	<.01	<.1	.03	<.1	<.01	<.1	<.01	<.1	<.01
FEB 05...	--	<.001	--	.004	--	.20	--	.002	--	<.001	--	<.001
MAR 05...	--	<.001	--	.001	--	<.01	--	<.001	--	<.001	--	<.001
APR 06...	.3	<.001	.4	<.001	<.1	.03	<.1	.002	<.1	<.001	<.1	<.001
MAY 14...	--	<.001	--	.036	--	[illegible]	--	.002	--	<.001	--	<.001
JUN 11...	--	<.001	--	<.001	--	[illegible]	--	<.001	--	<.001	--	<.001
JUL 06...	1.0	<.001	1.5	.002	1.4	[illegible]	<.1	.001	<.1	<.001	<.1	<.001
AUG 07...	--	<.001	--	<.001	--	[illegible]	--	<.001	--	<.001	--	<.001
SEP 04...	--	<.001	--	<.001	--	[illegible]	--	<.001	--	<.001	--	<.001

< Actual value is known to be less than the value shown.
> Actual value is known to be greater than the value shown.

07355600 RED RIVER AT MONCLA, LA (CR 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]

DATE	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]
[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]	--	[illegible]

[illegible]

07355500 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
[illegible]							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

< Actual value is known to be less than the value shown.

[illegible] LARTO LAKE AT DAM, NEAR ACME, LA

LOCATION.--Lat 31°20'01", long 91°58'10", in SW1/4 sec.11, T.4 N., R.5 E., Catahoula Parish, Hydrologic Unit 08040301, at dam 3.0 mi (4.8 km) west of Argo, 4.2 mi (6.8 km) upstream from mouth of Larto Bayou, and 7.7 mi (12.4 km) northwest of Acme.

DRAINAGE AREA.--281 mi² (728 km²).

PERIOD OF RECORD.--December 1968 to September 1976 (gage heights only), October 1976 to September 1977 and December 1978 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976, at datum 33.00 ft (10.058 m) higher.

REMARKS.--[illegible]

EXTREMES FOR PERIOD OF RECORD.--[illegible]

EXTREMES FOR CURRENT YEAR.--[illegible]

ELEVATION (FEET NGVD), WATER YEAR OCTOBER [illegible] TO SEPTEMBER [illegible]
INSTANTANEOUS OBSERVATIONS AT [illegible]

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	---	[illegible]	[illegible]	---	[illegible]	---	[illegible]	---	[illegible]	[illegible]	---
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 33°01'52", long 92°05'16", in SE1/4NE1/4 sec.25, T.19 S., R.10 W., Union County, Hydrologic Unit 08040202, on right bank 500 ft (152 m) below lock and dam No. 6, 1.6 mi (2.6 km) north of Arkansas-Louisiana State line, 3.5 mi (5.6 km) downstream from Missouri Pacific Railroad Co. bridge, and 4.5 mi (7.2 km) southeast of Felsenthal, Ark.

DRAINAGE AREA.--10,787 mi2 (27,938 km^2).

PERIOD OF RECORD.--April 1958 to current year (daily gage heights and daily discharges below 19.0 ft or 5.79 m stage only). Gage-height record for some periods collected at same site since 1912 are contained in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft (13.439 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 26, 1958, nonrecording gage at same site and datum. Water-stage recorder for Ouachita River at Sterlington (station 07364535) used as auxiliary gage for this station. Prior to Oct. 1, 1980, water-stage recorder for Ouachita River at Alabama Landing near Haile (station 07364103) was used as auxiliary gage for this station.

REMARKS.--Records fair. Discharge computed for stages below bankfull, about 19 ft (5.79 m). Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft (3.83 km^3) and a series of navigation locks and dams. Records of dissolved oxygen and water tempertures for the water year 1981 are published under miscellaneous water-quality sites in this report. Records of chemical analyses for Lock and Dam No. 6 for the water year 1981 are published in the Arkansas report (station 07364080).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.04 ft (13.119 m) May 14, 15, 1958 (discharge not determined); minimum daily discharge, 190 ft^3/s (5.38 m^3/s Sept. 13, 1971; minimum gage height, 6.58 ft (2.006 m) Sept. 14, 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, since 1912, 44.2 ft (13.47 m) Apr. 11, 12, 1945; minimum, -0.3 ft (-0.09 m) Nov. 11, 1916; minimum since 1928, 5.8 ft (1.76 m) Aug. 25, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.80 ft (7,864 m) June 20, 21; minimum daily discharge, 1,470 ft3/s (41.6 m^3/s) Sept. 24; minimum gage height, 7.94 (2.420 m) Sept. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8910	3200	11300	2620	2310	7620	10100	7210		---	4950	1850
2	11300	3160	9790	2580	2360	8060	12800	7220		---	8450	1830
3	12900	3040	8140	2640	2600	10100	13500	7240		---	7540	1840
4	13200	2860	6920	2570	6560	13500	13800	7110		---	9010	1850
5	13700	2280	5970	2460	8160	13200	13900	6290		---	6940	1830
6	14000	1900	5750	2410	8370	14400	13800	4340		---	5290	1770
7	13700	2000	5700	2400	8310	15000	13600	4230		---	4690	1800
8	10100	2020	5520	2470	8260	---	13300	4130		---	3820	1830
9	6440	1930	5220	2780	6110	---	12700	3890		---	3540	1730
10	4920	1890	6110	3020	5580	---	10500	3800		---	4470	1630
11	3500	1790	8780	3580	7040	---	10800	4390		---	4280	1540
12	3240	1760	12300	3970	9580	---	11000	6130		---	2900	1520
13	3120	1650	13700	3730	12100	---	9410	7410		---	1770	1590
14	2860	1560	14300	3430	13700	---	8680	8610		---	1920	1690
15	2160	1570	14800	3320	13800	14200	8400	8460		13400	2820	2190
16	1890	3470	15200	2840	13700	13600	7210	8860		11600	3380	2390
17	1760	7690	15600	2590	13000	12700	6040	11400		8750	3320	2350
18	1690	10400	---	2790	9560	11400	5840	14100		8330	3240	2000
19	1720	12500	---	3410	9580	9250	5340	---		7420	3030	1750
20	3880	13500	---	3650	9390	9640	3750	---		5440	2990	1680
21	5290	14000	15000	3520	8990	9190	3000	---		3940	3250	1620
22	4050	14500	14000	3310	8670	7890	2220	---		3410	3300	1560
23	3000	14900	13200	2910	7560	6860	2600	---		2480	3080	1500
24	2270	15200	10700	2570	6860	6200	3800	---		1840	2540	1470
25	1950	15300	9050	2710	7900	5640	4150	---		1960	1900	1480
26	1940	15200	8250	2740	8370	5670	5250	---		2050	1960	1540
27	2350	14700	5530	2560	8230	6370	6290	---		2050	1870	1540
28	2980	13900	4180	2460	7920	6520	6580	---		2130	1790	1600
29	2850	13500	3850	2400	---	6350	6690	---		2500	1830	1950
30	2910	13200	3560	2310	---	6480	6680	---		2660	1860	1850
31	3060	---	3020	2280	---	7480	---	---		2910	1860	---
TOTAL	165360	224570	---	89030	234550	---	251730	---		---	111590	52770
MEAN	5334	7486	---	2872	8377	---	8391	---		---	3600	1759
MAX	14000	15300	---	3970	13800	---	13900	---		---	9010	2390
MIN	1690	1560	3020	2280	2310	5640	2220	3800		1840	1770	1470

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.51	9.67	16.40	9.08	8.86	13.46	15.29	12.79	21.99	22.93	11.25	8.42
2	15.74	9.61	15.33	9.06	8.88	13.81	17.04	12.80	21.99	22.42	12.48	8.38
3	16.92	9.49	14.17	9.13	9.06	15.10	17.55	12.82	21.96	21.86	13.48	8.39
4	17.23	9.32	13.14	9.06	12.22	17.43	17.84	12.78	21.96	21.38	14.46	8.42
5	17.55	8.79	12.29	8.92	13.56	17.58	18.00	12.29	21.93	21.03	13.11	8.37
6	17.78	8.36	11.96	8.90	13.80	18.38	18.00	10.68	21.91	20.75	11.62	8.32
7	17.67	8.53	11.87	8.89	13.77	18.75	17.84	10.54	22.06	20.53	11.04	8.36
8	15.53	8.52	11.72	8.94	13.56	19.09	17.60	10.47	22.34	20.35	10.25	8.38
9	12.92	8.42	11.50	9.22	12.28	19.38	17.22	10.25	22.80	20.24	9.95	8.28
10	10.74	8.35	12.09	9.44	11.78	19.60	15.78	10.20	23.37	20.16	10.74	8.17
11	9.97	8.23	14.05	9.93	12.74	19.69	15.88	10.75	23.79	20.07	10.61	8.07
12	9.66	8.21	16.40	10.30	14.48	19.60	15.91	12.12	24.20	19.97	9.40	8.09
13	9.55	8.10	17.43	10.13	16.21	19.35	14.80	13.16	24.55	19.81	8.27	8.18
14	9.30	8.01	17.93	9.85	17.39	19.04	14.26	14.07	24.88	19.42	8.46	8.29
15	8.69	8.01	18.35	9.72	17.60	18.63	13.96	14.03	25.17	18.68	9.27	8.75
16	8.21	9.77	18.64	9.29	17.57	18.21	13.03	14.35	25.40	17.52	9.80	8.95
17	8.31	13.15	18.95	9.04	17.19	17.64	12.18	16.02	25.56	15.36	9.73	8.93
18	8.20	15.09	19.19	9.21	15.17	16.67	11.98	17.88	25.70	14.61	9.65	8.59
19	8.21	16.48	19.28	9.78	14.94	15.07	11.46	19.20	25.78	13.70	9.47	8.33
20	10.04	17.29	19.14	10.04	14.74	15.16	10.15	20.14	25.80	12.06	9.43	8.29
21	11.48	17.69	18.79	9.91	14.45	14.67	9.41	20.60	25.80	10.59	9.69	8.20
22	10.52	18.07	18.22	9.73	14.18	13.67	8.77	20.98	25.73	9.91	9.73	8.10
23	9.48	18.39	17.67	9.36	13.44	12.80	9.16	21.14	25.59	9.04	9.53	8.04
24	8.81	18.60	16.08	9.05	12.84	12.12	10.23	21.25	25.39	8.37	9.06	7.99
25	8.46	18.69	14.79	9.20	13.51	11.78	10.58	21.36	25.18	8.52	8.44	8.00
26	8.49	18.70	14.10	9.23	13.90	11.90	11.41	21.57	24.93	8.61	8.52	8.10
27	8.91	18.46	12.11	9.04	13.86	12.39	12.17	21.75	24.62	8.57	8.41	8.12
28	9.49	18.05	10.65	8.93	13.63	12.49	12.37	21.91	24.26	8.70	8.33	8.09
29	9.34	17.73	10.25	8.89	---	12.41	12.45	21.97	23.87	9.03	8.39	8.45
30	9.31	17.47	9.97	8.77	---	12.62	12.44	21.99	23.42	9.17	8.40	8.42
31	9.52	---	9.47	8.74	---	13.43	---	21.97	---	9.36	8.40	---
MEAN	11.28	12.78	14.98	9.32	13.77	15.87	13.83	16.25	24.06	15.57	9.98	8.32
MAX	17.78	18.70	19.28	10.30	17.60	19.69	18.00	21.99	25.80	22.93	14.46	8.95
MIN	8.20	8.01	9.47	8.74	8.86	11.78	8.77	10.20	21.91	8.37	8.27	7.99

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

LOCATION.--Lat 32°59'25", long 91°39'20", in SE1/4SW1/4 sec.9, T.23 N., R.8 E., Morehouse Parish, Hydrologic Unit 08040205, on downstream side of right pier of bridge on State Highway 834, 1.0 mi (1.6 km) downstream from Arkansas-Louisiana State line, and 1.6 mi (2.6 km) northwest of Jones.

DRAINAGE AREA.--1,187 mi^2 (3,074 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 79.21 ft (24.143 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Bayou Bartholomew northwest of Jones (station 07364203) used as auxiliary gage for this station since Oct. 1, 1959. See WSP 2120 for history of changes prior to Dec. 7, 1966.

REMARKS.--Records good. Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000). Other flow bypasses station and reenters the basin 5 mi (8 km) downstream by way of Overflow Creek. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years, 1,267 ft^3/s (35.88 m^3/s), 918,000 acre-ft/yr (1.13 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,680 ft^3/s (189 m^3/s) Mar. 11-13, 1961; maximum gage height, 28.24 ft (8.608 m) May 21, 22, 1958; minimum discharge, 32 ft^3/s (0.91 m^3/s) July 22, 1966, gage height, 0.35 ft (0.107 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,860 ft^3/s (52.7 m^3/s) July 2, gage height, 13.06 ft (3.981 m) July 2, 3; minimum discharge, 33 ft^3/s (0.94 m^3/s) Aug. 14, gage height, 0.43 ft (0.13 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	454	659	339	134	1070	577	238	825	1680	62	105
2	139	411	730	334	137	1050	666	216	849	1840	52	140
3	151	374	787	327	137	995	774	193	873	1760	48	187
4	178	346	833	318	139	994	873	172	915	1640	49	233
5	222	323	866	308	143	980	966	151	905	1510	50	272
6	267	303	889	299	148	953	1050	135	1020	1350	52	313
7	312	284	902	289	155	936	1130	129	1100	1200	50	360
8	357	269	904	273	161	943	1200	117	1170	1020	47	424
9	401	254	903	256	170	955	1250	113	1240	865	45	504
10	447	243	888	238	199	965	1290	118	1290	730	43	604
11	498	237	863	222	230	974	1310	114	1330	605	40	718
12	555	235	833	206	242	983	1320	101	1360	505	44	820
13	620	236	796	193	251	991	1330	94	1370	430	36	904
14	691	238	754	181	266	1000	1310	105	1390	380	34	972
15	760	236	706	171	290	1010	1270	110	1400	321	47	1030
16	823	234	653	163	320	1010	1220	129	1430	267	71	1070
17	885	246	596	157	374	1000	1150	330	1450	224	77	1080
18	939	244	540	154	465	988	1070	519	1480	190	80	1050
19	973	231	487	178	592	961	980	782	1540	170	76	991
20	996	221	440	175	731	924	896	1030	1600	155	73	910
21	1000	218	400	163	646	882	810	1080	1660	143	65	815
22	996	222	369	154	943	840	723	1070	1710	137	64	702
23	969	227	348	151	1030	789	663	1070	1750	131	71	574
24	927	229	338	154	1080	737	604	1010	1780	135	82	459
25	871	241	335	157	1110	687	520	930	1800	144	83	304
26	802	280	336	155	1120	639	452	843	1820	147	84	200
27	773	357	340	150	1120	597	396	773	1810	136	86	221
28	783	425	343	145	1090	561	349	748	1800	123	83	168
29	678	496	345	140	---	539	311	751	1760	105	82	144
30	582	577	345	135	---	534	270	706	1710	91	82	123
31	509	---	343	132	---	538	---	794	---	75	86	---
TOTAL	19239	8891	18871	6417	13623	27031	26730	14728	42197	18221	1944	10545
MEAN	621	296	609	207	487	872	891	475	1407	588	62.7	352
MAX	1000	577	904	339	1120	1070	1330	1080	1820	1840	86	1080
MIN	135	218	335	132	134	534	270	94	825	75	34	105
AC-FT	38160	17640	37430	12730	27020	53620	53020	29210	83700	36140	3860	32820

CAL YR 1980 TOTAL 587993 MEAN 1607 MAX 6350 MIN 51 AC-FT 1166000
WTR YR 1981 TOTAL 214437 MEAN 587 MAX 1840 MIN 34 AC-FT 425300

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.63	6.05	7.51	4.99	2.62	9.38	6.75	3.97	9.12	12.42	1.15	2.09
2	2.70	5.68	7.96	4.94	2.67	9.27	7.34	3.73	9.19	12.97	.93	2.72
3	2.89	5.33	8.31	4.88	2.66	8.98	8.02	3.46	9.32	12.99	.83	3.38
4	3.27	5.06	8.60	4.78	2.66	8.99	8.65	3.20	9.51	12.71	.88	3.92
5	3.80	4.83	8.81	4.68	2.69	8.94	9.21	2.89	9.74	12.36	.96	4.32
6	4.27	4.63	8.95	4.59	2.74	8.78	9.69	2.63	10.10	11.71	.98	4.73
7	4.72	4.44	9.02	4.49	2.79	8.70	10.09	2.53	10.57	10.98	.93	5.20
8	5.17	4.29	9.03	4.33	2.85	8.75	10.41	2.33	10.82	10.14	.86	5.79
9	5.58	4.14	9.03	4.16	2.93	8.83	10.65	2.27	11.11	9.22	.80	6.46
10	6.00	4.03	8.94	3.98	3.25	8.89	10.83	2.35	11.31	8.24	.74	7.16
11	6.42	3.96	8.79	3.80	3.57	8.95	10.92	2.27	11.47	7.21	.68	7.88
12	6.83	3.95	8.60	3.62	3.65	9.01	10.98	2.03	11.54	6.35	.77	8.52
13	7.27	3.96	8.37	3.46	3.70	9.07	10.99	1.88	11.56	5.78	.53	9.04
14	7.71	3.97	8.11	3.32	3.81	9.14	10.92	2.10	11.55	5.25	.47	9.42
15	8.14	3.96	7.81	3.19	4.01	9.21	10.76	2.20	11.49	4.66	.86	9.74
16	8.54	3.94	7.48	3.08	4.27	9.23	10.55	2.51	11.46	4.11	1.41	9.93
17	8.92	4.06	7.11	2.98	4.76	9.20	10.26	4.87	11.52	3.65	1.54	9.95
18	9.24	4.04	6.73	2.94	5.53	9.12	9.86	6.65	11.68	3.24	1.60	9.82
19	9.42	3.90	6.33	3.28	6.43	8.98	9.44	8.77	11.88	2.98	1.51	9.53
20	9.55	3.79	5.94	3.23	7.27	8.78	8.98	9.73	12.10	2.75	1.47	9.10
21	9.59	3.76	5.58	3.07	8.00	8.55	8.45	10.64	12.34	2.57	1.29	8.53
22	9.55	3.80	5.28	2.94	8.59	8.29	7.92	11.41	12.52	2.48	1.27	7.84
23	9.40	3.86	5.08	2.90	9.06	7.99	7.54	11.58	12.66	2.39	1.42	7.06
24	9.17	3.88	4.98	2.94	9.38	7.67	7.16	11.25	12.76	2.47	1.64	6.21
25	8.83	4.01	4.95	2.98	9.57	7.37	6.58	10.66	12.83	2.64	1.67	5.38
26	8.41	4.40	4.96	2.96	9.64	7.08	6.04	10.05	12.91	2.70	1.68	4.62
27	8.22	5.17	5.00	2.89	9.61	6.83	5.54	9.49	12.90	2.53	1.72	3.97
28	8.29	5.80	5.03	2.80	9.47	6.60	5.09	9.11	12.84	2.32	1.65	3.44
29	7.63	6.40	5.05	2.71	---	6.45	4.71	8.93	12.71	2.00	1.63	3.00
30	7.02	6.99	5.05	2.64	---	6.42	4.30	8.89	12.53	1.73	1.64	2.65
31	6.50	---	5.03	2.58	---	6.46	---	8.98	---	1.43	1.72	---
MEAN	6.96	4.54	7.01	3.55	5.29	8.38	8.62	5.91	11.47	5.97	1.20	6.38
MAX	9.59	6.99	9.03	4.99	9.64	9.38	10.99	11.58	12.91	12.99	1.72	9.95
MIN	2.63	3.76	4.95	2.58	2.62	6.42	4.30	1.88	9.12	1.43	.47	2.09

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-58, 1964-73, 1976-77, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT									
29...	0830	692	103	6.2	15.0	60	35	8.0	3.0
JAN									
07...	0945	292	149	6.2	6.0	80	35	11.5	3.9
APR									
08...	0930	1170	74	5.5	19.0	75	25	6.4	.6
JUL									
08...	1100	1020	94	6.2	27.5	70	20	5.1	.1

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)
OCT									
29...	<5	K3000	31	8	8.1	2.6	11	4.3	23
JAN									
07...	120	180	46	1	12	3.9	14	2.9	45
APR									
08...	K150	120	19	4	5.0	1.7	5.6	2.6	16
JUL									
08...	190	3000	34	3	8.4	3.1	4.2	3.2	31

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT									
29...	15	11	.1	10	95	76	.29	1.1	.39
JAN									
07...	17	11	.1	12	102	100	--	--	--
APR									
08...	13	4.6	.0	6.7	71	49	.10	.99	.20
JUL									
08...	3.0	5.4	.1	8.8	70	55	.32	1.3	.32

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT											
29...	1	4	<1	0	2	0	8	5	190	2100	0

DATE	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT										
29...	0	100	200	.2	.01	7	8	9.3	.00	28

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
29...	105	196	85
JAN			
07...	49	39	94
APR			
08...	45	142	86
JUL			
08...	79	218	83

< Actual value is known to be less than the value shown.

07364203 BAYOU BARTHOLOMEW NORTHWEST OF JONES, LA

LOCATION.--Lat 32°58'55", long 91°42'00", in SE1/4 NE1/4 sec.13, T.23 N., R.7 E., Morehouse Parish, Hydrologic Unit 08040205, right bank on right bank 0.3 mi (0.5 km) upstream from Overflow Creek, 1.3 mi (2.1 km) south of Arkansas-Louisiana State line, 3.2 mi (5.1 km) northwest of Jones, and 4.0 mi (6.4 km) downstream from gaging station Bayou Bartholomew near Jones (station 07364200).

DRAINAGE AREA.--1,190 mi^2 (3,080 km^2), approximately.

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records from October 1959 to September 1973 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Altitude of gage is 80 ft or 24 m (from topographic map). Period Dec. 7, 1966, to Sept. 30, 1976, at datum 1.00 ft (0.305 m) lower.

REMARKS.--Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes station Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (07368000). Other flow bypasses station and reenters the basin 1 mi (2 km) downstream by way of Overflow Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, not determined, occurred during period of no gage-height record in 1974. Maximum gage height since 1974, 23.96 ft (7.303 m) Apr. 25, 1979; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1959, 26.15 ft (7.977 m), present datum, Apr. 2, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.82 ft (3.298 m) July 3; minimum, -0.87 ft (-0.265 m) Aug. 15.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.00	4.16	5.34	3.08	.88	7.27	4.72	2.17	7.43	10.10	-.19	---
2	1.02	3.79	5.77	3.04	.94	7.23	5.22	1.93	7.45	10.60	-.41	---
3	1.09	3.45	6.12	2.98	.93	6.96	5.87	1.68	7.56	10.79	-.57	---
4	1.40	3.18	6.41	2.89	.92	7.05	6.44	1.45	7.71	10.64	-.60	---
5	1.91	2.96	6.63	2.79	.93	7.05	6.97	1.18	7.88	10.42	-.50	---
6	2.31	2.75	6.78	2.72	.97	6.90	7.43	.89	8.29	9.84	-.36	---
7	2.73	2.58	6.86	2.73	1.02	6.79	7.82	.80	8.77	9.15	-.32	---
8	3.14	2.43	6.90	2.73	1.07	6.80	8.12	.64	8.95	8.37	-.38	---
9	3.55	2.29	6.90	2.53	1.13	6.82	8.38	.55	9.20	7.48	-.49	---
10	3.94	2.18	6.81	2.15	1.47	6.83	8.56	.67	9.38	6.51	-.58	---
11	4.32	2.08	6.68	1.98	1.81	6.85	8.65	.63	9.51	5.46	-.63	---
12	4.71	2.07	6.52	1.82	1.90	6.88	8.72	.39	9.56	4.68	-.62	---
13	5.10	2.08	6.31	1.67	1.91	6.92	8.74	.26	9.53	4.24	-.60	---
14	5.52	2.08	6.07	1.54	1.97	6.98	8.68	.47	9.48	3.76	-.73	---
15	5.93	2.07	5.77	1.42	2.14	7.04	8.54	.56	9.36	3.15	-.85	---
16	6.31	2.05	5.47	1.31	2.36	7.07	8.36	.88	9.26	2.53	-.70	---
17	6.69	2.20	5.12	1.22	2.77	7.06	8.12	3.04	9.28	1.99	-.26	---
18	7.02	2.21	4.79	1.24	3.43	6.98	7.75	4.92	9.41	1.54	-.03	---
19	7.20	2.07	4.41	1.85	4.25	6.86	7.34	7.08	9.59	1.27	.06	---
20	7.32	1.95	4.03	1.69	5.06	6.69	6.90	8.07	9.80	1.04	.00	---
21	7.39	1.89	3.69	1.46	5.77	6.48	6.40	9.18	10.02	.86	-.13	---
22	7.37	1.91	3.39	1.26	6.37	6.24	5.90	10.08	10.19	.77	-.17	---
23	7.26	1.97	3.20	1.16	6.85	5.96	5.57	10.29	10.33	.70	-.08	---
24	7.04	1.98	3.08	1.18	7.18	5.66	5.23	9.99	10.44	.70	.13	---
25	6.74	2.07	3.02	1.22	7.37	5.36	4.67	9.38	10.51	.83	.17	---
26	6.36	2.41	3.03	1.21	7.47	5.09	4.15	8.75	10.55	.96	.17	---
27	6.24	3.15	3.06	1.15	7.46	4.85	3.67	8.15	10.55	.94	.18	---
28	6.35	3.72	3.09	1.06	7.35	4.64	3.24	7.69	10.51	.87	.13	---
29	5.70	4.27	3.12	.98	---	4.49	2.88	7.42	10.40	.64	.12	---
30	5.10	4.83	3.12	.91	---	4.49	2.50	7.31	10.24	.28	.12	---
31	4.59	---	3.10	.85	---	4.49	---	7.34	---	.03	.17	---
MEAN	4.91	2.63	4.99	1.80	3.35	6.35	6.52	4.32	9.37	4.23	-.26	---
MAX	7.39	4.83	6.90	3.08	7.47	7.27	8.74	10.29	10.55	10.79	.18	---
MIN	1.00	1.89	3.02	.85	.88	4.49	2.50	.26	7.43	.03	-.85	---

07364535 OUACHITA RIVER AT STERLINGTON, LA

LOCATION.--Lat 32°41'46", long 92°05'12", in NW1/4NW1/4 sec.29, T.20 N., R.4 E., Ouachita - Union Parish line, Hydrologic Unit 08040202, on downstream side of bridge on State Highway 2, at Sterlington.

DRAINAGE AREA.--12,953 mi^2 (33,551 km^2).

PERIOD OF RECORD.--October 1979 to current year (elevations only). Gage-height records since September 25, 1972, in Corps of Engineers files.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1969, nonrecording gage at same site and datum.

REMARKS.--Considerable regulation by five reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft (3.83 km^3) and a series of navigation locks and dams.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 73.15 ft (22.296 m) Apr. 28, 1980; minimum, 52.42 ft (15.978 m) July 27, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since September 1972, 85.65 ft (26.106 m) May 7, 1973 (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 66.08 ft (20.141 m) June 19, 20; minimum, 52.52 ft (16.008 m) Nov. 16.

ELEVATION (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54.15	53.09	56.30	52.83	52.86	54.62	55.43	53.60	62.48	63.99	53.62	52.85
2	54.81	53.04	55.88	52.85	52.78	54.73	55.90	53.60	62.38	63.59	54.07	52.82
3	55.43	53.00	55.43	52.91	52.84	55.00	56.19	53.60	62.39	63.05	54.64	52.82
4	55.72	52.96	54.84	52.86	53.21	55.91	56.44	53.75	62.36	62.53	54.95	52.85
5	55.93	52.85	54.36	52.78	54.04	56.55	56.59	53.87	62.37	62.06	54.74	52.81
6	56.10	52.67	53.93	52.85	54.26	56.81	56.64	53.33	62.51	61.58	53.89	52.80
7	56.20	52.92	53.82	52.82	54.34	57.01	56.63	53.22	62.84	61.14	53.56	52.82
8	55.98	52.78	53.77	52.81	54.32	57.19	56.57	53.22	63.42	60.71	53.29	52.83
9	55.03	52.73	53.74	52.89	54.11	57.37	56.34	53.17	64.08	60.32	53.09	52.79
10	53.84	52.67	53.67	52.94	53.80	57.54	55.95	53.19	64.64	59.96	53.26	52.77
11	53.20	52.61	54.25	52.98	53.76	57.68	55.85	53.31	65.06	59.65	53.30	52.71
12	53.01	52.61	54.97	53.13	54.21	57.78	55.63	53.71	65.35	59.38	53.03	52.77
13	52.99	52.59	55.64	53.15	54.80	57.81	55.22	54.20	65.57	59.12	52.71	52.83
14	52.92	52.58	55.98	53.07	55.43	57.75	54.97	54.64	65.74	58.85	52.83	52.87
15	52.85	52.55	56.24	52.98	55.77	57.61	54.67	54.72	65.87	58.52	52.94	52.93
16	52.68	52.82	56.45	52.93	55.95	57.40	54.19	54.88	65.97	58.02	53.06	52.98
17	52.80	53.71	56.63	52.80	56.02	57.14	54.00	55.40	66.03	57.07	53.00	53.00
18	52.67	54.53	56.81	52.85	55.80	56.73	53.85	56.10	66.06	56.18	52.99	52.93
19	52.69	55.02	56.96	52.96	55.30	56.03	53.45	56.93	66.07	55.42	52.98	52.86
20	53.03	55.52	57.01	53.10	55.11	55.67	53.16	57.69	66.07	54.62	52.98	52.89
21	53.58	55.79	57.02	53.05	54.96	55.24	52.90	58.42	66.05	53.73	53.04	52.82
22	53.48	56.02	56.94	53.04	54.83	54.68	52.92	59.23	65.99	53.25	53.06	52.75
23	53.06	56.21	56.77	52.95	54.63	54.18	53.04	60.04	65.93	53.00	53.02	52.73
24	52.90	56.37	56.41	52.84	54.27	53.60	53.34	60.73	65.84	52.79	52.93	52.69
25	52.78	56.50	55.66	52.92	54.31	53.71	53.44	61.30	65.70	52.88	52.81	52.69
26	52.84	56.64	55.14	52.93	54.55	53.93	53.50	61.76	65.54	52.90	52.88	52.78
27	52.97	56.70	54.45	52.85	54.62	53.99	53.56	62.09	65.33	52.82	52.81	52.80
28	53.10	56.67	53.56	52.81	54.60	53.97	53.60	62.31	65.07	52.93	52.80	52.66
29	53.00	56.56	53.23	52.82	---	54.06	53.60	62.45	64.76	52.95	52.83	52.75
30	52.99	56.43	53.09	52.77	---	54.33	53.60	62.50	64.39	52.94	52.80	52.85
31	53.04	---	53.00	52.74	---	54.72	---	62.51	---	52.95	52.81	---
MEAN	53.73	54.23	55.22	52.91	54.48	55.83	54.71	56.76	64.73	57.38	53.25	52.82
MAX	56.20	56.70	57.02	53.15	56.02	57.81	56.64	62.51	66.07	63.99	54.95	53.00
MIN	52.67	52.55	53.00	52.74	52.78	53.60	52.90	53.17	62.36	52.79	52.71	52.66

07364740 BAYOU DE LOUTRE NEAR FARMERVILLE, LA

LOCATION.--Lat 32°52'25", long 92°23'40", in NW1/2 sec.29, T.22 N., R.1 E., Union Parish, Hydrologic Unit 08040202, at bridge on State Highway 549 and 7.0 mi (11.3 km) north of Farmerville.

DRAINAGE AREA.--241 mi2 (624 km2).

PERIOD OF RECORD.--November 1980 to September 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV										
20...	1115	199	1220	6.6	7.0	40	3.0	9.7	3.1	K340
JAN										
06...	1615	52	1920	6.0	5.0	40	4.0	11.7	3.1	K85
APR										
07...	1500	80	852	5.9	19.5	60	2.0	7.2	1.5	K30
JUL										
07...	1320	79	1380	6.4	26.0	15	1.0	7.6	4.4	K60

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV										
20...	640	120	110	34	7.8	190	5.2	10	26	370
JAN										
06...	460	190	170	55	13	320	4.0	17	43	600
APR										
07...	K80	83	68	24	5.7	120	3.3	15	21	230
JUL										
07...	1500	140	120	40	8.6	200	3.6	18	5.0	400

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
NOV									
20...	.2	13	706	652	--	--	.26	.92	.17
JAN									
06...	.2	12	1080	1060	--	--	--	--	--
APR									
07...	.1	10	483	423	.11	.00	.11	1.2	.06
JUL									
07...	.1	11	759	679	--	--	.19	.96	.05

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV											
20...	0	15	<1	1	3	0	4	4	170	6200	3

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
NOV										
20...	180	400	4400	.1	.06	20	36	15	.00	1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07364740 BAYOU DE LOUTRE NEAR FARMERVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
NOV											
20...	<.1	<1	<.1	<1	<.01	<.1	<.1	4	<.01	1.8	<.01

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV											
20...	.3	<.01	3.3	.01	<.1	<.01	.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV										
20...	<.01	<.1	<.1	<1	<.01	<.1	.00	.01	.00	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV			
20...	164	88	94
JAN			
06...	200	28	98
APR			
07...	110	24	92
JUL			
07...	146	31	99

< Actual value is known to be less than the value shown.

07364840 LAKE CLAIBORNE NEAR AYCOCK, LA

LOCATION.--Lat 32°44'20", long 92°54'18", in sec.8, T.[illegible] attached to pier of catwalk to drop inlet structure, [illegible] 2.0 mi (3.2 km) northeast of Aycock.

DRAINAGE AREA.--133 mi2 (344 km2)

PERIOD OF RECORD.--1962 (one discharge measurement). February 1968 to current year (gage heights and miscellaneous discharge measurements only).

GAGE.--Water-stage recorder. Datum of gage is 176.00 ft (53.645 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Deprtment of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by an earthfill dam, containing an uncontrolled concrete drop inlet spillway near the left end of dam. Outflow below spillway elevation is controlled by two 8- by 8-ft (2.4- by 2.4-m) sluice gates in upstream face of drop inlet. Invert of sluice gates at -24.75 ft (7.544 m), gage datum. Capacity, 100,000 acre-ft (123 hm3) to 9.0 ft (2.74 m), gage datum. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation. Gates were closed all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.03 ft (3.667 m) May 5, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 2.61 ft (0.796 m) June 16; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	.80	---							2.36	2.24	2.01
2	---	.80	---						.72	2.35	2.22	2.04
3	---	.80	.73						.91	2.32	2.21	2.05
4	---	.80	.73						1.13	2.32	2.19	2.18
5	---	.79	.73						1.33	2.33	2.18	2.17
6	---	.79	.73						1.82	2.48	2.17	2.15
7	---	.79	.73						2.18	2.47	2.42	2.15
8	---	.79	.73						2.37	2.47	2.27	2.13
9	---	.78	.73						2.46	2.46	2.25	2.12
10	---	.78	.73						2.51	2.45	2.23	2.09
11	---	.78	.73						2.54	2.44	2.21	2.08
12	---	.78	.73						2.56	2.47	2.19	2.06
13	---	.78	.73						2.58	2.46	2.18	2.05
14	---	.77	.73						2.58	2.45	2.16	2.03
15	---	.77	.73						2.57	2.44	2.15	2.12
16	---	.77	.72						2.57	2.42	2.14	2.12
17	---	.78	.72						2.57	2.41	2.16	2.10
18	---	.78	.72						2.56	2.39	2.18	2.06
19	---	.78	.72						2.55	2.37	2.16	2.04
20	---	.75	.73						2.54	2.35	2.14	2.02
21	---	.74	.73						2.53	2.32	2.13	2.00
22	.82	.74	.72						2.51	2.30	2.10	1.99
23	.82	.74							2.49	2.29	2.08	1.98
24	.81	.74							2.47	2.27	2.07	1.97
25	.81	.74							2.46	2.25	2.06	1.96
26	.81	.74							2.45	2.22	2.05	1.94
27	.80	---							2.43	2.20	2.08	1.94
28	.81	---							2.40	2.21	2.07	1.93
29	.81	---							2.38	2.20	2.06	1.91
30	.81	---							2.37	2.27	2.05	1.90
31	.80	---							---	2.26	2.04	---
MEAN	---	---	---						---	2.35	2.16	2.04
MAX	---	.80	---						2.58	2.48	2.42	2.18
MIN	---	---	---						---	2.20	2.04	1.90

NOTE: Below lowest recordable stage (0.72 ft) Dec. 23 to June 1.

[illegible]

[illegible]

[illegible]

PERIOD OF RECORD.--March 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m), from topographic map.

REMARKS.--Flow regulated by Lake Claiborne (station 07364840), 10 mi (16 km) upstream. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,500 ft^3/s (99.1 m^3/s) Apr. 14, 1980, gage height, 13.87 ft (4.228 m); no flow July 22-26, 1980, Sept. 19-30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 695 ft^3/s (19.7 m^3/s) May 17, 18, June 6, 7, 8, gage height, 8.18 ft (2.493 m); no flow Sept. 19-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	.36	.60	1.4	8.3	23	68	5.3	50	3.4	2.1	.66
2	4.1	.28	.53	1.4	9.5	159	40	7.6	23	3.2	1.5	.45
3	3.0	.26	.63	1.6	12	125	26	7.2	150	3.0	1.0	.87
4	2.4	.22	.67	1.4	13	89	19	6.1	375	2.7	.88	4.5
5	2.0	.12	.74	1.2	14	154	19	10	367	5.5	.91	7.1
6	1.5	.17	.65	2.0	14	102	16	37	683	49	.76	6.1
7	1.6	.18	.56	2.5	14	65	15	24	695	20	.85	3.9
8	1.6	.21	.56	2.8	9.3	43	13	14	613	9.8	.84	2.8
9	1.4	.19	.78	7.0	6.3	30	14	41	293	7.2	4.0	1.9
10	1.2	.16	.84	7.6	11	24	14	349	179	5.5	2.9	1.5
11	1.1	.11	.89	7.0	34	20	15	318	134	5.3	1.8	.99
12	1.1	.10	1.1	5.1	33	18	14	131	122	45	1.1	.63
13	.74	.09	2.3	4.3	17	17	14	66	89	52	.74	.32
14	.57	.09	1.6	3.7	11	15	14	86	63	12	.66	.32
15	.56	.09	1.5	3.3	8.9	15	13	106	39	8.3	.62	.29
16	.50	.23	1.6	2.8	7.7	14	13	302	26	6.1	.56	.20
17	.63	.63	1.5	2.5	7.6	13	13	683	20	4.5	.53	.14
18	.75	.71	1.5	1.7	8.6	12	12	540	17	3.0	.47	.09
19	.75	.73	1.7	1.1	7.9	12	13	237	14	2.1	.43	.05
20	.69	.64	1.7	2.1	7.2	12	14	144	12	1.6	.37	.00
21	.53	.56	1.5	4.7	6.8	12	15	93	11	1.1	.37	.00
22	.47	.56	1.4	4.1	8.8	13	16	62	9.0	1.2	.37	.00
23	.47	.55	1.2	5.2	33	15	16	40	7.8	.67	.31	.00
24	.43	.49	1.4	5.5	23	15	36	30	6.8	.55	.30	.00
25	.37	.47	1.2	5.5	11	14	23	29	6.6	.47	.28	.00
26	.37	.75	1.2	5.7	7.9	13	12	226	7.3	.45	.28	.00
27	.63	1.1	1.2	4.6	6.0	12	9.2	210	6.0	.45	.28	.00
28	.61	.87	1.2	4.2	5.6	13	8.7	87	5.5	.39	.28	.00
29	.56	1.4	1.3	4.3	---	22	6.5	50	4.5	1.9	.34	.00
30	.47	2.0	1.5	4.6	---	149	5.3	31	3.8	6.3	1.6	.00
31	.30	---	1.6	5.3	---	139	---	31	---	3.5	1.1	---
TOTAL	36.50	14.32	36.65	116.2	356.4	1379	525.7	4003.2	4032.3	266.18	28.53	32.81
MEAN	1.18	.48	1.18	3.75	12.7	44.5	17.5	129	134	8.59	.92	1.09
MAX	5.1	2.0	2.3	7.6	34	159	68	683	695	52	4.0	7.1
MIN	.30	.09	.53	1.1	5.6	12	5.3	5.3	3.8	.39	.28	.00
AC-FT	72	28	73	230	707	2740	1040	7940	8000	528	57	65

WTR YR 1981 TOTAL 10827.79 MEAN 29.7 MAX 695 MIN .00 AC-FT 21480

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	.80	.84	.90	1.72	3.03	1.49	.74	1.20	.54	.52	.44
3	.51	.80	.85	.91	1.83	2.64	1.28	.72	2.75	.53	.49	.47
4	.48	.79	.85	.90	1.87	2.21	1.13	.68	5.20	.52	.48	.67
5	.46	.78	.86	.89	1.89	2.89	1.09	.84	5.12	.65	.48	.79
6	.43	.79	.85	.93	1.90	2.28	1.05	1.44	8.08	1.51	.47	.75
7	.44	.79	.84	.99	1.91	1.81	1.01	1.22	8.18	1.12	.47	.64
8	.44	.79	.84	1.02	1.74	1.54	.96	.98	7.45	.83	.47	.59
9	.42	.79	.86	1.24	1.63	1.34	.99	1.42	4.35	.72	.64	.55
10	.41	.79	.87	1.28	1.84	1.23	1.00	4.91	3.10	.65	.59	.52
11	.41	.78	.87	1.28	2.01	1.15	1.01	4.60	2.59	.64	.53	.49
12	.40	.78	.88	1.21	1.66	1.10	.98	2.56	2.45	1.55	.48	.46
13	.38	.78	.96	1.20	1.34	1.07	.99	1.82	2.09	1.61	.46	.43
14	.36	.78	.92	1.19	1.16	1.03	.99	2.05	1.79	.92	.45	.43
15	.36	.78	.91	1.19	1.08	1.01	.96	2.28	1.48	.79	.45	.43
16	.81	.79	.92	1.18	1.03	.97	.96	4.37	1.28	.70	.44	.42
17	.82	.84	.91	1.19	1.02	.96	.96	8.08	1.16	.63	.44	.42
18	.83	.85	.91	1.16	1.07	.92	.93	6.78	1.06	.57	.43	.41
19	.83	.85	.92	1.14	1.04	.93	.94	3.74	.99	.53	.43	.41
20	.82	.84	.92	1.22	1.00	.92	.98	2.70	.93	.50	.42	.40
21	.82	.84	.91	1.37	.99	.91	1.02	2.14	.86	.49	.42	.40
22	.80	.84	.90	1.38	1.07	.95	1.04	1.76	.80	.49	.42	.40
23	.81	.84	.89	1.48	1.65	1.01	1.05	1.50	.75	.46	.41	.40
24	.81	.83	.90	1.50	1.47	1.03	1.41	1.34	.71	.45	.41	.40
25	.80	.83	.89	1.50	1.15	.98	1.21	1.32	.70	.44	.41	.40
26	.80	.86	.89	1.52	1.04	.95	.93	3.61	.73	.44	.41	.40
27	.83	.88	.89	1.47	.95	.93	.81	3.44	.67	.44	.41	.40
28	.83	.87	.89	1.46	.93	.95	.79	2.06	.65	.43	.41	.40
29	.82	.90	.90	1.48	---	1.15	.69	1.62	.61	.54	.42	.40
30	.81	.94	.91	1.49	---	2.75	.64	1.37	.57	.76	.51	.40
31	.80	---	.92	1.53	---	2.65	---	1.33	---	.63	.49	---
MEAN	.64	.82	.89	1.23	1.42	1.44	1.04	2.39	2.33	.70	.47	.47
MAX	.83	.94	.96	1.53	2.01	3.03	1.84	8.08	8.18	1.61	.64	.79
MIN	.36	.78	.84	.89	.93	.91	.64	.64	.57	.43	.41	.40

07366000 [illegible] BAYOU NEAR [illegible], LA

[illegible]

[illegible]

[illegible]

[illegible]

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV 20...	1300	E.00	137	6.3	9.5	15	3.0	6.3	1.2	K85
JAN 06...	1415	E.00	237	5.7	6.0	20	5.0	10.6	2.4	200
APR 07...	1200	92	341	5.8	20.0	15	2.0	8.0	3.1	K120
JUL 07...	1100	8.8	198	5.6	26.0	50	4.0	3.6	1.8	K15

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 20...	250	24	14	6.6	1.9	13	2.5	10	5.2	27
JAN 06...	2900	39	30	11	2.7	28	2.5	6	8.0	64
APR 07...	K35	55	51	16	3.6	37	2.8	4	11	89
JUL 07...	5400	37	26	11	2.4	21	2.2	11	4.4	49

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
NOV 20...	.2	9.4	96	72	--	--	.07	.01	--
JAN 06...	.1	11	151	131	--	--	--	--	--
APR 07...	.0	5.2	208	167	.03	.00	.03	.76	.02
JUL 07...	.1	13	151	109	--	--	.19	1.1	.07

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV 20...	0	5	<1	0	1	0	2	0	200	520	0

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
NOV 20...	10	260	110	.0	.01	8	2	9.1	.00	2

< Actual value is known to be less than the value shown.
E Estimated.
K Results based on colony count outside the acceptable range (non-ideal count).

07366000 CORNEY BAYOU NEAR LILLIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
NOV 20...	<.1	<1	<.1	<1	<.01	<.1	<.10	<1	<.01	<.1	<.01

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 20...	<.1	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 20...	<.01	<.1	<.1	<1	<.01	<.1	.00	.00	.00	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 20...	28	E.00	98
JAN 06...	53	E.00	97
APR 07...	46	11	78
JUL 07...	45	1.1	98

< Actual value is known to be less than the value shown.

E Estimated.

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°55'45", long 92°37'58", in SE1/4NW1/4 sec.1, T.22 N., R.3 W., Union Parish, Hydrologic Unit 08040206, left bank on downstream side of bridge on State Highway 15, 1.4 mi (2.3 km) east of Lillie, and 2.6 mi (4.2 km) upstream from mouth.

DRAINAGE AREA.--208 mi^2 (539 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WDR LA-79-1: 1978(M).

GAGE.--Water-stage recorder. Datum of gage is 91.48 ft (27.883 m) National Geodetic Vertical Datum of 1929. October 1955 to Jan. 26, 1956, nonrecording gage, Jan. 27, 1956, to May 31, 1978, water-stage recorder, at site 500 ft (152 m) downstream at same datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--26 years, 189 ft^3/s (5.352 m^3/s), 12.34 in/yr (313 mm/yr), 136,900 acre-ft/yr (169 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,000 ft^3/s (680 m^3/s) June 9, 1974, gage height, 17.54 ft (5.346 m), from floodmark; no flow Aug. 18-20, Sept. 21 to Oct. 1, Oct. 3-5, 1956, Aug. 11-14, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s (34 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
May 20	1500	*6900	195	*11.21	3.417	June 7	0100	1790	50.7	8.36	2.548

Minimum discharge, 0.44 ft^3/s (0.012 m^3/s) Sept. 30, gage height, 1.48 ft (0.451 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	38	44	18	48	150	324	100	59	16	6.0	4.7
2	42	29	39	16	95	380	218	175	78	16	5.6	7.9
3	26	24	35	20	89	456	108	75	267	19	6.0	10
4	18	21	32	18	74	478	65	36	479	42	5.3	12
5	13	17	32	16	63	506	54	34	665	40	4.4	12
6	9.4	14	29	26	56	515	49	47	1250	46	5.4	10
7	6.6	13	28	63	54	438	45	43	1670	62	7.3	8.7
8	5.5	11	27	83	51	335	41	34	1310	74	15	6.8
9	4.5	11	39	77	48	195	37	45	964	59	13	5.9
10	4.0	8.9	66	62	68	91	37	237	622	37	8.3	6.4
11	3.8	9.1	60	52	193	69	35	401	438	34	6.3	4.6
12	3.5	9.2	52	45	260	62	32	368	271	36	5.2	3.3
13	3.0	11	44	41	257	57	31	262	105	25	4.1	2.9
14	2.6	12	39	39	261	54	27	154	67	27	4.2	2.6
15	2.4	52	36	38	265	52	24	121	56	24	4.6	3.6
16	2.4	75	34	36	182	49	20	254	46	19	3.4	5.1
17	6.8	77	34	35	88	46	19	790	38	15	3.7	6.3
18	51	106	33	33	74	44	18	889	32	12	3.2	4.9
19	57	91	32	33	68	43	23	1970	28	10	3.8	3.5
20	38	67	30	37	63	40	31	5420	25	8.4	3.9	3.2
21	24	51	28	56	57	40	29	3210	22	7.1	3.4	3.4
22	16	41	27	64	72	64	26	1110	19	6.1	5.2	2.6
23	13	35	26	58	113	92	24	661	17	5.3	2.9	2.3
24	10	35	24	52	100	86	36	454	15	5.2	2.7	2.3
25	8.6	34	22	47	78	69	37	286	19	7.3	4.6	2.0
26	9.2	35	20	43	66	57	29	178	46	6.0	6.9	1.8
27	22	49	19	41	57	50	23	210	44	4.4	5.6	1.2
28	102	61	18	40	51	45	18	183	46	3.0	5.2	1.3
29	144	57	17	38	---	65	15	158	30	3.4	5.0	1.0
30	90	51	16	36	---	305	19	100	20	4.3	4.2	.68
31	53	---	20	34	---	405	---	61	---	5.9	3.7	---
TOTAL	842.3	1145.2	1002	1295	2951	5338	1494	18066	8748	679.4	168.1	142.98
MEAN	27.2	38.2	32.3	41.8	105	172	49.8	583	292	21.9	5.42	4.77
MAX	144	106	66	83	265	515	324	5420	1670	74	15	12
MIN	2.4	8.9	16	16	48	40	15	34	15	3.0	2.7	.68
CFSM	.13	.18	.16	.20	.51	.83	.24	2.80	1.40	.11	.03	.02
IN.	.15	.20	.18	.23	.53	.95	.27	3.23	1.56	.12	.03	.03
AC-FT	1670	2270	1990	2570	5850	10590	2960	35830	17350	1350	333	284

CAL YR 1980 TOTAL 63641.46 MEAN 174 MAX 2150 MIN .34 CFSM .84 IN 11.38 AC-FT 126200
WTR YR 1981 TOTAL 41871.98 MEAN 115 MAX 5420 MIN .68 CFSM .55 IN 7.49 AC-FT 83050

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.84	3.55	3.93	3.29	3.77	4.93	5.89	4.63	4.08	2.65	2.19	2.13
2	3.53	3.26	3.77	3.29	4.71	6.09	5.43	5.22	4.42	2.65	2.16	2.33
3	3.00	3.07	3.65	3.27	4.64	6.38	4.80	4.39	5.57	2.77	2.19	2.46
4	2.69	2.94	3.57	3.27	4.45	6.46	4.31	3.43	6.44	3.58	2.14	2.50
5	2.48	2.78	3.54	3.26	4.25	6.54	4.04	3.38	6.87	3.50	2.08	2.48
6	2.30	2.67	3.46	3.31	4.06	6.57	3.85	3.82	7.75	3.69	2.16	2.38
7	2.14	2.63	3.42	4.18	4.01	6.32	3.72	3.68	8.25	4.19	2.28	2.31
8	2.07	2.53	3.39	4.57	3.91	5.92	3.59	3.38	7.85	4.42	2.67	2.21
9	2.00	2.50	3.77	4.49	3.82	5.29	3.48	3.70	7.38	4.09	2.57	2.14
10	1.96	2.42	4.55	4.22	4.24	4.64	3.45	5.50	6.79	3.41	2.34	2.18
11	1.94	2.43	4.41	3.93	5.29	4.37	3.40	6.19	6.29	3.32	2.22	2.04
12	1.91	2.43	4.17	3.71	5.62	4.21	3.31	6.06	5.61	3.37	2.14	1.94
13	1.87	2.51	3.92	3.58	5.60	4.10	3.28	5.64	4.71	3.01	2.08	1.90
14	1.83	2.59	3.74	3.50	5.62	4.01	3.15	5.10	4.28	3.06	2.09	1.87
15	1.81	3.93	3.62	3.46	5.64	3.94	3.03	4.92	4.00	2.96	2.12	1.96
16	1.81	4.56	3.57	3.42	5.23	3.84	2.89	5.54	3.70	2.76	2.01	2.07
17	2.09	4.61	3.55	3.36	4.63	3.76	2.84	7.11	3.44	2.59	2.04	2.16
18	3.79	4.92	3.49	3.31	4.46	3.68	2.79	7.28	3.25	2.48	2.00	2.07
19	4.00	4.83	3.45	3.31	4.35	3.64	2.98	8.48	3.11	2.40	2.05	1.96
20	3.39	4.52	3.38	3.44	4.25	3.57	3.27	10.49	2.98	2.30	2.06	1.93
21	2.91	4.16	3.30	4.05	4.10	3.56	3.22	9.31	2.87	2.23	2.03	1.94
22	2.59	3.85	3.27	4.26	4.39	4.21	3.10	7.58	2.76	2.17	2.14	1.87
23	2.45	3.66	3.28	4.13	4.84	4.69	3.04	6.86	2.66	2.12	1.98	1.84
24	2.35	3.64	3.30	3.95	4.75	4.62	3.43	6.34	2.58	2.12	1.96	1.82
25	2.26	3.62	3.31	3.78	4.51	4.37	3.48	5.67	2.75	2.25	2.11	1.79
26	2.29	3.64	3.30	3.66	4.30	4.11	3.22	5.16	3.69	2.17	2.27	1.77
27	2.79	4.10	3.31	3.60	4.08	3.88	2.99	5.33	3.64	2.06	2.20	1.67
28	4.64	4.42	3.31	3.55	3.92	3.73	2.80	5.20	3.68	1.95	2.17	1.69
29	4.99	4.34	3.31	3.48	---	4.13	2.68	5.07	3.17	1.99	2.16	1.64
30	4.66	4.17	3.32	3.42	---	5.80	2.82	4.67	2.80	2.06	2.10	1.55
31	4.04	---	3.29	3.35	---	6.20	---	4.13	---	2.17	2.05	---
MEAN	2.79	3.51	3.57	3.66	4.55	4.76	3.48	5.59	4.58	2.79	2.15	2.02
MAX	4.99	4.92	4.55	4.57	5.64	6.57	5.89	10.49	8.25	4.42	2.67	2.50
MIN	1.81	2.42	3.27	3.26	3.77	3.56	2.68	3.38	2.58	1.95	1.96	1.55

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-58, 1966-70, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
NOV 20...	1400	65	262	6.5	8.0	40	3.0	9.5	2.9
JAN 06...	1530	26	251	6.2	5.0	15	5.0	11.0	2.9
APR 07...	1350	45	360	6.2	18.0	60	3.0	7.3	4.0
JUL 07...	1115	63	174	5.8	25.0	40	4.0	6.7	.8

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)
NOV 20...	160	220	43	38	12	3.2	28	3.4	5
JAN 06...	K90	840	40	30	11	3.1	28	1.7	10
APR 07...	K55	<5	59	47	17	4.0	42	2.6	12
JUL 07...	120	K11000	29	21	8.4	2.0	18	1.9	8

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
NOV 20...	10	63	.1	17	181	142	.01	.83	.16
JAN 06...	8.4	61	.1	20	147	139	--	--	--
APR 07...	10	94	.1	14	234	191	.04	1.4	.07
JUL 07...	3.6	42	.0	15	129	96	.18	1.0	.08

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
NOV 20...	0	6	<1	0	5	0	3	1	240	4100	1	10

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 20...	220	170	.1	.02	20	9	14	3	<.1	<1	<.1	<1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 20...	<.01	<.1	<.1	<1	<.01	<.1	<.01	.2	<.01	<.1	<.01	<.1

DATE	DI-ELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 20...	<.01	<.1	<.01	<.1	<.1	<1	<.01	<.1	.01	.00	.00	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 20...	70	12	74
JAN 06...	47	3.3	88
APR 07...	48	5.8	88
JUL 07...	43	7.3	98

< Actual value is known to be less than the value shown.

07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

LOCATION.--Lat 32°45'25", long 92°24'50", in NW1/4NW1/4 sec.6, T.20 N., R.1 E., Union Parish, Hydrologic Unit 08040206, near right bank on downstream side of bridge on State Highway 33, 0.6 mi (1.0 km) southwest of Farmerville, and 5.0 mi (8.0 km) upstream from dam on Bayou D'Arbonne.

DRAINAGE AREA.--1,607 mi^2 (4,162 km^2) at dam, 1,470 mi^2 (3,807 km^2) at site.

PERIOD OF RECORD.--December 1964 to current year (gage heights and miscellaneous discharge measurements only). August 1925 to current year in reports of Corps of Engineers, Vicksburg district. Published as Lake D'Arbonne at Farmerville, December 1964 to September 1968.

REVISED RECORDS.--WRD LA-71: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 40.40 ft (12.314 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Reservoir is formed by an earthfill dam containing a 799-ft (244-m) uncontrolled concrete spillway at left end. Capacity, 130,000 acre-ft (160 hm^3) at spillway crest, 39.60 ft (12.07 m), gage datum. There is no dead storage. Outflow below spillway crest controlled by four 5- by 5-ft (1.5- by 1.5-m) sluice gates at outlet. Invert elevation of sluice gates at 17.6 ft (5.36 m) gage datum. Dam complete and storage began in 1964. Reservoir is used for flood control, conservation, and recreation. Gates were closed during the water year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 45.43 ft (13.847 m) June 11, 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1925, 45.71 ft (13.932 m) Apr. 30, 1958, (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 41.88 ft (12.765 m) May 23,24; minimum, 29.68 ft (9.046 m) Nov. 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.68	30.89	30.04	30.89	32.20	34.84	39.43	40.08	40.80	39.97	39.74	39.46
2	33.28	30.84	30.09	30.90	32.26	35.14	39.54	---	40.84	39.96	39.72	39.49
3	32.86	30.76	30.12	30.93	32.32	35.40	39.64	---	40.89	39.94	39.77	39.50
4	32.43	30.71	30.15	30.94	32.38	35.77	---	40.06	40.91	39.92	39.76	39.57
5	31.98	30.62	30.18	30.96	32.44	36.10	---	40.10	40.88	39.92	39.75	39.56
6	31.50	30.56	30.20	30.98	32.52	36.48	---	40.12	41.46	39.93	39.74	39.55
7	31.03	30.52	30.22	31.12	32.60	36.78	---	40.10	41.71	39.94	39.73	39.54
8	30.56	30.42	30.26	31.18	32.67	37.06	---	40.10	41.81	39.95	39.76	39.53
9	30.46	30.30	30.34	31.24	32.74	37.30	---	---	41.84	39.95	39.74	39.51
10	30.46	30.18	30.36	31.28	32.90	37.52	---	---	41.77	39.96	39.72	39.49
11	30.46	30.06	30.40	31.32	32.96	37.68	---	40.40	41.61	39.97	39.70	39.48
12	30.44	30.01	30.46	31.36	33.14	37.80	---	40.50	41.48	40.03	39.69	39.46
13	30.43	29.99	30.52	31.40	33.26	37.88	---	40.52	41.33	40.07	39.67	39.45
14	30.40	29.98	30.54	31.44	33.36	37.96	---	40.52	41.11	40.09	39.65	39.44
15	30.40	29.97	30.58	31.48	33.50	38.02	40.00	40.48	40.91	40.08	39.64	39.58
16	30.38	29.94	30.60	31.50	33.64	38.04	40.00	40.61	40.74	40.05	39.62	39.58
17	30.40	30.15	30.62	31.52	33.80	38.10	40.00	40.77	40.56	40.02	39.60	39.56
18	30.58	30.20	30.64	31.56	33.94	---	---	40.90	40.44	39.99	39.59	39.53
19	30.62	30.22	30.66	31.58	34.04	---	---	41.00	40.35	39.95	39.57	39.51
20	30.62	30.17	30.67	31.64	34.14	---	40.00	41.03	40.27	39.92	39.55	39.49
21	30.62	30.10	30.68	31.71	34.22	---	40.00	41.16	40.21	39.90	39.53	39.48
22	30.62	30.03	30.71	31.76	34.30	---	40.00	41.52	40.16	39.87	39.51	39.47
23	30.62	29.94	30.73	31.82	34.38	---	40.12	41.83	40.11	39.85	39.49	39.46
24	30.62	29.86	30.74	31.86	34.46	---	40.10	41.85	40.07	39.83	39.48	39.45
25	30.60	29.76	30.76	31.92	34.54	---	---	41.65	40.04	39.81	39.52	39.44
26	30.60	29.70	30.78	31.96	34.62	---	40.12	41.55	40.06	39.79	39.50	39.42
27	30.62	29.78	30.78	32.00	34.68	---	40.12	41.37	40.04	39.77	39.50	39.41
28	30.86	29.86	30.80	32.04	34.74	---	40.10	41.15	40.03	39.81	39.48	39.41
29	30.90	29.93	30.84	32.07	---	---	40.08	40.93	40.00	39.79	39.49	39.39
30	30.90	29.99	30.84	32.09	---	---	40.08	40.78	39.98	39.77	39.47	39.38
31	30.90	---	30.86	32.12	---	---	---	40.74	---	39.75	39.46	---
MEAN	30.99	30.18	30.52	31.50	33.46	---	---	---	40.75	39.92	39.62	39.49
MAX	33.68	30.89	30.86	32.12	34.74	---	40.12	41.85	41.84	40.09	39.77	39.58
MIN	30.38	29.70	30.04	30.89	32.20	34.84	39.43	---	39.98	39.75	39.46	39.38

07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in NE1/4NE1/4 lot 43, T.18 N., R.4 E., Ouachita Parish, Hydrologic Unit 08040207, on downstream end of culvert on U.S. Highway 165, 2.5 mi (4.0 km) north of Sherrouse School at Monroe, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1977 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 31.17 ft (9.501 m) National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 38.70 ft (11.796 m) Mar. 10-12, 1979; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 31.95 ft (9.738 m) Mar. 4; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.23	30.12	30.01	29.91	30.69	29.99	30.34	30.17	30.39	30.42		29.71
2	30.21	30.10	30.00	29.91	30.62	30.65	30.20	29.96	30.30	30.25		29.94
3	30.19	30.08	29.98	29.91	30.42	30.52	30.09		30.43	30.53		29.79
4	30.18	30.06	29.96	29.91	30.21	31.55	30.14		30.38	30.55		29.89
5	30.17	30.03	29.95	29.91	30.10	31.50	30.00	29.90	30.33	30.58		29.80
6	30.16	30.01	29.96	29.93	30.31	31.08	29.95		30.71	30.59		29.74
7	30.17	29.99	29.96	30.21	30.26	30.74	29.91		30.76	30.17	29.88	29.70
8	30.17	29.98	29.97	30.09	30.17	30.52	29.88		30.59	29.89	30.66	29.68
9	30.17	29.98	30.25	30.02	30.10	30.36			30.50		30.78	29.68
10	30.17	29.98	30.15	30.24	30.79	30.23		29.89	30.42		30.56	29.66
11	30.16	29.99	30.07	29.94	30.70	30.15			30.60	29.88	30.04	29.65
12	30.15	29.98	30.03	29.92	30.52	30.09			30.84	30.07		29.64
13	30.14	29.98	30.00	29.92	30.36	30.05			31.01	30.09		29.64
14	30.15	30.07	29.99	29.91	30.25	30.02		30.14	31.08	29.93		29.65
15	30.15	29.97	29.98	29.92	30.15	29.98		29.89	31.12		30.01	29.71
16	30.16	29.99	29.97	29.91	30.14	29.98		30.57	31.12	30.04		29.72
17	30.16	30.56	30.03	29.92	30.13	29.97		31.13	31.09	30.32		29.70
18	30.32	30.41	30.00	29.91	30.10	29.94		30.76	31.04	30.45		29.67
19	30.28	30.27	29.99	29.91	30.07	29.94		30.55	30.97	30.64	29.60	29.67
20	30.22	30.16	29.95	30.11	30.05	29.94		30.60	30.92	30.70	29.64	29.72
21	30.20	30.10	29.92	30.10	30.03	29.92		30.67	30.88	30.72	29.64	29.69
22	30.19	30.06	29.92	30.04	30.08	30.08		30.68	30.83	30.38	29.73	29.68
23	30.19	30.10	29.93	29.99	30.09	30.00		30.62	30.80	30.57	29.74	29.68
24	30.16	30.09	29.94	29.97	30.02	29.95		30.54	30.84	30.67	29.64	29.67
25	30.17	30.04	29.93	29.95	29.99	29.92		30.44	30.74	30.36	29.72	29.77
26	30.16	30.08	29.92	29.95	29.96	29.89		30.44	30.62	30.02	29.66	29.74
27	30.15	30.49	29.92	29.93	29.95	29.89		30.58	30.57	29.88	29.86	29.70
28	30.81	30.32	29.92	29.92	29.93	29.88		30.67	30.61		29.80	29.67
29	30.50	30.17	29.92	29.91	---			30.64	30.61		29.74	29.67
30	30.27	30.08	29.92	29.90	---	30.30		30.57	30.60		29.70	29.67
31	30.17	---	29.92	29.89	---	30.04	---	30.52	---		29.67	---
MEAN	30.22	30.11	29.98	29.97	30.22	---	---	---	---	---	---	---
MAX	30.81	30.56	30.25	30.24	30.79	31.55	30.34	31.13	31.12	30.72	30.78	29.94
MIN	30.14	29.97	29.92	29.89	29.93	---	---	---	30.30	---	---	29.64

NOTE: Below lowest recordable stage (29.88 ft) Mar. 29, Apr. 9-30, May 3, 4, 6-9, 11-13, July 9, 10, 15, July 28 to Aug. 6, Aug. 12-14, 16-18.

07367630 OUACHITA RIVER AT COLUMBIA LOCK AND DAM, NEAR RIVERTON, LA

LOCATION.--Lat 32°10'00", long 92°06'45", on line between NE1/4 and SE1/4 sec.25, T.14 N., R.3 E., Caldwell Parish, Hydrologic Unit 08040207, near left bank on upstream end of lock wall of Columbia Lock and Dam on the Ouachita River, 1.0 mi (1.6 km) northwest of Riverton, and 4.0 mi (6.4 km) northwest of Columbia.

DRAINAGE AREA.--15,630 mi^2 (40,482 km^2).

PERIOD OF RECORD.--October 1975 to current year. Gage-height records, April 1972 to December 1975, in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage and gage-position recorders, a broad-crested weir and four radial gates. Datum of gage is 23.91 ft (7.288 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Ouachita River at Columbia (station 07367640) used as auxiliary gage for this station.

REMARKS.--Records good. Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,880 acre-ft (4.12 km^3), and a series of navigation locks and dams.

AVERAGE DISCHARGE.--6 years, 16,000 ft^3/s (453 m^3/s), 11,592,000 acre-ft/yr (14.3 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71,000 ft^3/s (2,010 m^3/s), May 13, 1979, tailwater gage height, 43.08 ft (13.131 m); minimum daily, 1,010 ft^3/s (286 m^3/s) Aug. 24, 26, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge daily, 38,100 ft^3/s (1080 m^3/s), June 14,15 tailwater gage height, 23.15 ft (7.056 m); minmum daily, 1270 ft^3/s (36.0 m^3/s) Sept 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8170	4950	14500	3290	3690	12000	11800	8090	31400	34200	5520	2180
2	10100	4810	14000	2740	2970	13000	12400	8080	31200	33300	7410	2730
3	12300	4350	12600	2870	2880	14000	13300	8010	31500	32800	9060	2140
4	13700	3980	11300	4560	3890	15000	14500	7510	31400	32100	10000	2590
5	13100	3680	9340	2790	7640	15800	15200	8150	31500	31600	10600	2570
6	14400	2350	7960	2920	8710	16100	15300	6180	32000	28900	7770	2250
7	15200	2310	7360	3450	8810	16600	15000	5050	32500	27300	6220	2250
8	14600	3040	6560	2730	9020	17000	15000	5090	33400	26200	5390	2550
9	12500	2710	7230	3180	8660	17300	15100	5070	34700	24500	4060	2350
10	8730	2780	6410	3440	7980	17600	13500	5200	35900	23600	4550	2200
11	5660	2370	7960	3530	7160	17900	12900	5790	36700	23000	5190	1890
12	4340	2210	9580	4500	8050	18000	12900	6580	37500	21800	4540	1590
13	4360	1890	11900	4660	9720	18300	11900	8130	37900	20600	1640	2140
14	3540	1680	12800	4520	11500	18200	10700	9940	38100	19800	1530	2520
15	3120	1870	13500	4270	12500	17900	10100	10500	38100	18600	3260	3340
16	2110	2930	14300	3640	13100	17600	8700	11200	38000	14300	4220	3800
17	2670	6380	12900	3200	13300	16300	7700	12700	37900	17600	4190	3690
18	2590	9250	13500	2740	13300	15700	7520	14200	37800	14500	3710	3580
19	2340	10500	16000	3200	12400	14100	6160	16300	37600	12600	3740	2470
20	3090	12200	15700	4810	11500	12900	4830	18500	37500	9890	3470	2680
21	6400	12900	15800	4170	10500	12000	3360	20100	37300	6880	3790	2660
22	6370	13800	15800	3930	10300	10600	2840	21900	37100	4790	4050	2320
23	4930	14500	15700	4040	10000	9080	3560	23900	37000	3920	3940	2240
24	3760	14800	15200	2870	9000	6750	5120	26200	36800	1970	3600	2210
25	2520	14800	13300	2900	9800	5980	5940	27800	36600	1830	2020	1410
26	2800	15500	11900	3230	9900	7520	6130	26500	36500	2920	2510	1270
27	4240	15500	9880	3250	10500	7430	7370	28500	36500	2410	2550	2150
28	5260	15400	6910	2860	11000	7320	7730	30100	36500	2260	2010	2200
29	4330	15400	5080	2670	---	8290	7750	31400	35800	3290	2260	1840
30	4010	14300	4600	3070	---	9370	7550	31400	35300	3700	2390	2860
31	4530	---	4270	2500	---	9720	---	31400	---	2960	2090	---
TOTAL	206860	233740	343560	105920	258820	415060	292260	479470	1068000	508120	137280	72670
MEAN	6673	7791	11080	3417	9244	13390	9742	15470	35600	16390	4428	2422
MAX	15200	15500	16000	4810	13300	18300	15300	31400	38100	34200	10600	3800
MIN	2110	1680	4270	2500	2880	5980	2840	5050	31200	1830	1530	1270
AC-FT	410300	463600	681500	210100	513400	823300	579700	951000	2118000	1008000	272300	144100

CAL YR 1980 TOTAL 7329550 MEAN 20030 MAX 51100 MIN 1020 AC-FT 14540000
WTR YR 1981 TOTAL 4121760 MEAN 11290 MAX 38100 MIN 1270 AC-FT 8176000

07367640 OUACHITA RIVER AT COLUMBIA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°06'28", long 92°04'27", NE1/4SE1/4 sec.17, T.13 N., R.4 E., Caldwell Parish, Hydrologic Unit 08040207 on downstream side of bridge on U.S. Highway 165 at Columbia, 2.1 mi (3.4 km) downstream from Bayou de Chene, and 4.2 mi (6.8 km) downstream from Columbia Lock and Dam (station 07367630).

DRAINAGE AREA.--15,700 mi^2 (40,700 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1975 to September 1981 (gage heights only), discontinued.

GAGE.--Nonrecording gage. Datum of gage is 23.91 ft (7.288 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to April 9, 1981, water-stage recorder at same site and datum.

REMARKS.--Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,800 acre-ft (4.12 km^3), and a series of navigation locks and dams.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 42.06 ft (12.820 m) May 13, 1979; minimum, 9.78 ft (2.981 m) Oct. 10, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.50 ft (7.772 m) June 14; minimum, 10.06 ft (3.066 m) Nov. 11, but may have been lower on July 25.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.53	10.77	12.55	10.52	11.07	12.16	12.79	---	20.68	22.57	10.40	10.30
2	12.33	10.75	---	10.35	---	12.49	13.44	---	20.61	22.00	11.27	10.43
3	---	10.65	---	10.37	---	12.46	13.81	---	20.64	21.69	11.46	10.41
4	---	10.56	---	10.52	---	13.54	14.01	---	20.74	21.21	11.96	10.30
5	---	10.51	---	10.35	---	15.23	14.15	---	20.64	20.82	12.39	10.48
6	---	10.35	11.85	10.34	---	15.53	14.13	---	20.87	20.52	12.34	10.28
7	14.12	10.26	11.47	10.55	12.27	15.73	14.19	---	21.40	19.81	11.12	10.41
8	14.15	10.51	11.32	10.35	12.20	15.95	14.17	---	21.92	19.39	10.82	10.29
9	13.76	10.24	11.51	10.51	12.15	15.87	14.11	---	22.97	19.79	10.66	10.20
10	12.55	10.29	11.29	10.52	11.90	15.84	---	---	23.69	18.24	10.55	10.42
11	11.13	10.21	11.36	10.51	11.66	15.79	---	---	24.40	17.76	10.77	10.18
12	10.57	10.10	11.93	10.67	11.79	15.60	---	---	24.87	17.24	10.63	10.29
13	10.54	10.14	12.67	10.82	12.31	15.53	---	---	25.24	16.92	10.24	10.30
14	10.56	10.11	13.23	10.82	12.93	15.57	---	---	25.44	16.74	10.24	10.40
15	10.42	10.12	13.56	10.69	13.34	15.43	---	12.14	25.48	16.32	---	10.35
16	10.26	10.12	13.82	10.52	13.50	15.31	---	12.43	25.39	16.03	---	10.52
17	10.19	11.15	14.01	10.47	13.68	15.07	---	12.97	25.30	15.59	10.61	10.47
18	10.51	11.83	14.13	10.38	13.64	14.74	---	13.59	25.26	14.79	10.37	10.50
19	10.22	12.36	14.34	10.45	13.36	14.34	---	14.48	25.09	13.51	10.32	10.29
20	10.19	13.08	14.41	10.75	12.91	13.59	---	15.29	24.99	12.77	10.32	10.24
21	11.04	13.55	14.47	10.75	12.60	13.14	---	16.24	24.87	11.64	10.49	10.41
22	11.07	13.79	14.45	10.56	12.59	12.86	---	17.04	24.71	10.73	10.48	10.25
23	10.81	13.93	14.49	10.74	12.30	12.15	---	18.00	24.66	10.38	10.54	10.26
24	10.48	14.03	14.22	10.48	12.10	11.49	---	18.69	24.57	10.18	10.41	10.34
25	10.27	14.32	13.95	10.37	11.74	11.05	---	19.23	24.44	10.08	10.31	10.23
26	10.33	14.48	13.14	10.59	11.81	11.24	---	19.65	24.36	10.29	10.25	10.27
27	10.36	14.56	12.53	10.56	12.09	11.58	---	20.14	24.08	10.37	10.38	10.29
28	10.97	14.42	11.67	10.34	12.11	11.59	---	20.37	23.81	10.26	10.22	10.19
29	10.83	14.21	10.77	10.38	---	11.66	---	20.59	23.44	10.38	10.33	10.29
30	10.83	13.98	10.64	10.44	---	12.35	---	20.59	23.04	10.30	10.54	10.33
31	10.92	---	10.56	10.24	---	12.38	---	20.64	---	10.37	10.28	---
MEAN	---	11.85	---	10.51	---	13.78	---	---	23.59	15.44	---	10.33
MAX	14.15	14.56	14.49	10.82	13.68	15.95	---	---	25.48	22.57	12.39	10.52
MIN	10.19	10.10	10.56	10.24	---	11.05	---	---	20.61	10.08	10.22	10.18

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1981 (discontinued).
WATER TEMPERATURES: October 1975 to September 1981 (discontinued).

INSTRUMENTATION.--Water-quality monitor October 1975 to April 1981.

REMARKS.--Water-quality monitor removed April 1981. Samples for daily temperature and specific conductance were collected by an observer May to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 618 micromhos Oct. 3, 1977; minimum daily, 69 micromhos Mar. 4, 1975.
WATER TEMPERATURES: Maximum daily, 34.0°C, on several days in July and August 1981; minimum, 2.5°C Jan. 15, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 520 micromhos Nov. 20; minimum daily, 78 micromhos June 25, 27.
WATER TEMPERATURES: Maximum daily, 34.0°C, several days in July and August; minimum, 7.0°C Dec. 27-29, Jan. 13, 21-23.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 28...	1545	5360	284	6.4	20.0	30	7.6	7.2	1.6	420	110	45
NOV 19...	1045	10000	330	6.5	15.0	30	13	9.9	5.1	K20	130	48
DEC 03...	1330	12800	187	5.2	10.0	40	8.4	9.5	2.5	--	K10	31
JAN 08...	0915	2720	178	6.0	7.0	40	12	10.4	2.9	K35	120	34
FEB 04...	1645	4490	325	6.9	8.0	40	6.3	10.8	1.8	K10	K20	47
MAR 04...	1430	--	216	6.0	16.0	40	27	9.6	3.0	K190	900	34
APR 09...	1015	15200	180	5.8	20.0	50	12	8.1	1.8	K20	K16	31
MAY 12...	1000	6170	187	6.2	23.5	30	6.9	7.0	--	K10	2200	35
JUN 10...	1700	32100	133	5.8	27.0	60	12	4.2	1.4	K15	1200	25
JUL 09...	0900	24600	126	5.8	28.0	40	6.9	4.9	.0	K5	320	31
AUG 06...	1530	7340	206	7.0	33.0	50	12	5.5	1.2	K10	920	38
SEP 03...	1705	209	214	6.8	29.0	40	14	6.5	1.2	560	6400	38

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT 28...	22	13	3.1	42	3.4	23	39	55	.2	8.3	191	178
NOV 19...	26	14	3.1	40	3.1	22	22	64	.2	9.5	187	169
DEC 03...	21	8.8	2.3	21	3.0	10	19	36	.1	8.2	116	105
JAN 08...	18	10	2.1	19	1.8	16	22	28	.1	9.1	114	102
FEB 04...	21	14	3.0	40	2.0	26	26	60	.1	8.3	176	170
MAR 04...	23	9.6	2.5	25	1.7	11	19	42	.1	7.3	119	114
APR 09...	18	8.9	2.2	21	1.8	13	17	33	.1	7.0	111	99
MAY 12...	16	10	2.5	20	2.2	19	21	30	.1	6.2	109	104
JUN 10...	14	7.1	1.8	13	2.0	11	2.6	31	.1	7.0	94	72
JUL 09...	10	8.9	2.0	12	2.1	20	6.2	20	.1	7.6	88	71
AUG 06...	8	11	2.6	23	2.2	30	17	32	.1	9.8	139	116
SEP 03...	15	11	2.5	24	2.4	23	7.0	42	.1	7.8	131	111

K Results based on colony count outside the acceptable range (non-ideal count).

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT 28...	.47	.44	.25	.25	1.1	1.1	.16	.14	--	11	.4
NOV 19...	.49	.49	.15	.14	1.1	.95	.07	.05	8.4	--	--
DEC 03...	.22	.25	.02	.00	1.6	.92	.06	.04	11	--	--
JAN 08...	.16	.14	.13	.02	1.2	.96	.04	.03	--	13	.2
FEB 04...	.28	.29	.23	.24	.90	.81	.09	.07	7.4	--	--
MAR 04...	.30	.25	--	.28	.83	.88	.09	.04	8.6	--	--
APR 09...	.13	.18	--	.15	.92	.71	.07	.04	--	9.0	.4
MAY 12...	.50	.54	.22	.21	1.1	.80	.10	.07	6.4	--	--
JUN 10...	.15	.15	--	.23	1.3	1.4	.09	.02	7.8	--	--
JUL 09...	.20	.20	--	.20	1.0	1.2	.10	.07	--	9.9	.3
AUG 06...	.53	.55	.13	.17	.69	.70	.10	.00	7.2	--	--
SEP 03...	.38	.20	.04	.07	1.1	.93	.07	.04	7.8	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)
OCT 28...	1	1	100	80	1	2	0	0	2	3
JAN 08...	0	0	100	50	0	3	10	0	0	<3
APR 09...	0	0	--	50	0	2	20	10	1	<3
JUL 09...	2	1	100	100	1	<1	10	0	0	<3

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
OCT 28...	11	10	540	170	6	4	220	180	1.5
JAN 08...	7	6	750	210	10	4	120	90	.3
APR 09...	1	4	930	260	3	1	110	90	.1
JUL 09...	7	5	1400	640	14	5	160	90	.2

< Actual value is known to be less than the value shown.

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 28...	1.5	6	5	0	0	0	0	20	20
JAN 08...	.1	3	2	0	0	1	0	30	20
APR 09...	.0	5	0	0	0	0	0	20	9
JUL 09...	.1	2	5	0	0	0	0	--	30

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
JAN 08...	3.7	.8	2.5	.5	3.5	.9	3.4	.9	.08	.04
JUL 09...	<1.3	1.1	.9	.7	2.6	1.0	2.5	1.0	.05	.06

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 28...	--	52	753	98
NOV 19...	170	44	1190	98
DEC 03...	--	42	1450	96
JAN 08...	--	56	411	72
FEB 04...	--	56	679	86
MAR 04...	170	95	--	97
APR 09...	--	48	1970	92
MAY 12...	920	83	1380	76
JUN 10...	690	51	4420	90
JUL 09...	140	55	3650	76
AUG 06...	590	50	991	91
SEP 03...	590	36	20	96

< Actual value is known to be less than the value shown.

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	255	232	180	163	175	174	391	365	200	197
2	---	---	259	237	187	181	174	173	401	389	196	193
3	---	---	235	219	187	185	192	173	396	368	197	190
4	---	---	221	216	186	183	195	191	367	342	236	195
5	---	---	240	216	188	180	195	192	344	334	230	210
6	---	---	293	242	191	188	193	192	---	---	203	191
7	---	---	305	294	192	190	197	193	---	---	197	188
8	---	---	302	281	194	191	198	182	---	---	---	---
9	---	---	281	270	193	190	202	183	---	---	---	---
10	---	---	357	281	189	184	207	202	---	---	---	---
11	---	---	402	360	186	183	211	207	---	---	---	---
12	---	---	395	359	191	186	220	205	---	---	---	---
13	---	---	356	324	196	188	226	206	---	---	---	---
14	---	---	323	308	196	189	227	206	---	---	---	---
15	---	---	307	293	195	186	234	207	---	---	---	---
16	128	125	293	279	185	168	241	217	---	---	---	---
17	133	128	284	277	205	127	247	240	---	---	---	---
18	139	133	314	284	123	96	257	228	---	---	---	---
19	145	138	374	309	98	89	267	256	393	251	---	---
20	153	144	520	326	91	85	269	267	367	242	---	---
21	173	154	509	300	87	84	272	268	236	216	---	---
22	206	173	296	258	92	88	278	271	213	203	---	---
23	226	207	320	254	126	94	296	281	204	201	---	---
24	238	226	246	170	146	128	298	296	---	---	---	---
25	257	239	179	171	153	142	301	296	216	207	---	---
26	277	257	171	151	158	155	316	285	212	201	---	---
27	273	262	151	131	156	146	323	315	202	198	---	---
28	290	264	131	122	159	157	340	324	203	200	---	---
29	273	269	138	125	161	159	365	344	---	---	---	---
30	268	243	162	139	168	164	364	354	---	---	---	---
31	243	230	---	---	175	169	365	353	---	---	203	190

DAY	MAX	MIN			ONCE-DAILY		
	APRIL		MAY	JUN	JUL	AUG	SEP
1	201	201	---	131	84	156	208
2	215	187	---	134	87	163	208
3	222	194	---	129	89	169	212
4	236	204	---	126	95	201	235
5	200	194	---	121	102	217	250
6	226	196	---	117	108	212	227
7	273	216	---	116	106	223	228
8	272	218	---	118	114	188	221
9	---	---	---	124	119	188	226
10	---	---	---	129	128	203	229
11	---	---	---	125	130	208	231
12	---	---	---	117	136	162	229
13	---	---	---	110	159	159	228
14	---	---	---	107	139	159	220
15	---	---	164	100	128	157	234
16	---	---	159	94	124	141	227
17	---	---	192	89	124	137	---
18	---	---	203	84	126	142	247
19	---	---	288	85	126	139	248
20	---	---	253	81	130	146	247
21	---	---	226	81	139	156	252
22	---	---	208	81	141	---	266
23	---	---	248	81	142	---	279
24	---	---	170	79	144	235	328
25	---	---	125	78	143	234	285
26	---	---	125	80	144	235	290
27	---	---	133	78	146	234	299
28	---	---	141	79	148	228	319
29	---	---	123	80	150	219	331
30	---	---	125	82	153	209	---
31	---	---	129	---	155	206	---

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.5	27.5	18.5	18.5	9.5	9.0	8.0	7.5	9.0	8.5	13.0	13.0
2	27.0	26.5	18.5	18.5	10.0	9.5	8.0	7.5	9.0	8.5	14.0	13.0
3	26.5	26.0	18.5	18.0	9.5	9.5	8.0	7.5	8.5	8.0	13.5	13.5
4	25.5	25.0	18.5	18.0	10.0	9.5	8.0	7.5	8.5	8.0	14.0	13.5
5	25.0	24.5	18.0	18.0	10.5	10.0	7.5	7.5	8.5	8.0	14.5	14.0
6	24.5	23.5	18.5	18.0	10.5	10.0	7.5	7.5	8.5	8.0	14.5	14.5
7	23.5	22.0	18.0	18.0	11.0	10.5	7.5	7.5	8.5	8.5	14.5	14.0
8	21.5	20.5	18.5	18.0	11.5	11.0	8.0	7.5	9.0	8.5	14.0	14.0
9	20.5	20.5	18.5	18.0	11.5	11.0	8.0	7.5	9.0	8.5	14.5	14.0
10	20.5	20.5	18.5	18.0	11.0	11.0	8.0	7.5	9.5	9.0	14.0	13.5
11	20.5	20.5	18.5	18.0	11.0	10.5	7.5	7.5	9.0	8.0	13.5	13.0
12	20.5	20.5	18.5	18.0	11.0	11.0	7.5	7.5	8.0	8.0	13.5	13.0
13	20.5	20.0	18.0	18.0	11.0	11.0	7.5	7.0	8.0	7.5	13.5	13.0
14	20.5	20.0	18.5	17.5	11.5	11.0	8.0	7.5	8.0	8.0	14.0	13.0
15	21.0	20.0	18.0	17.5	11.5	11.0	8.0	7.5	8.0	8.0	14.0	13.0
16	21.5	20.5	17.5	17.0	11.5	11.0	8.0	7.5	8.0	7.5	14.0	12.5
17	21.0	20.5	17.0	16.5	11.5	11.0	7.5	7.5	7.5	7.5	14.5	13.5
18	21.0	21.0	16.5	16.0	11.5	11.5	7.5	7.5	8.0	7.5	14.5	14.0
19	21.5	21.0	16.0	15.5	11.5	10.0	7.5	7.5	9.0	8.0	14.5	14.0
20	21.0	21.0	15.5	15.5	10.0	9.5	7.5	7.5	9.0	8.5	14.5	14.0
21	21.0	20.5	15.5	14.5	9.0	9.0	7.5	7.0	9.5	9.0	14.5	14.0
22	21.0	20.5	14.5	13.5	9.0	8.5	7.5	7.0	9.5	9.5	14.5	14.0
23	21.0	21.0	13.5	13.0	8.5	8.5	7.5	7.0	10.0	9.5	14.5	14.0
24	21.0	20.5	13.5	12.5	8.5	8.5	7.5	7.5	11.0	10.0	---	---
25	20.5	20.5	12.5	11.5	8.5	7.5	8.0	7.5	11.5	11.0	---	---
26	20.5	20.0	11.5	10.0	7.5	7.5	8.0	8.0	12.0	11.0	---	---
27	20.5	20.0	10.0	9.5	7.5	7.0	8.0	8.0	12.5	11.5	---	---
28	20.5	19.5	9.5	9.5	7.5	7.0	8.5	8.0	13.0	12.5	---	---
29	19.5	19.0	9.5	9.0	7.5	7.0	9.0	8.0	---	---	---	---
30	19.0	19.0	9.5	9.0	7.5	7.5	9.0	8.5	---	---	---	---
31	19.0	18.5	---	---	8.0	7.5	9.0	8.5	---	---	17.0	16.0

DAY	MAX	MIN	ONCE-DAILY				
	APRIL		MAY	JUN	JUL	AUG	SEP
1	17.5	16.5	---	27.0	30.0	33.0	31.0
2	17.5	17.0	---	25.0	31.0	33.0	31.0
3	18.0	17.5	---	25.0	30.0	32.0	31.0
4	18.5	18.0	---	26.0	30.0	33.0	33.0
5	19.0	18.5	---	25.0	30.0	34.0	33.0
6	19.5	18.5	---	26.0	29.0	33.0	32.0
7	19.5	19.0	---	26.0	29.0	33.0	32.0
8	19.5	19.5	---	27.0	30.0	33.0	32.0
9	---	---	---	27.0	30.0	34.0	29.0
10	---	---	---	27.0	30.0	34.0	30.0
11	---	---	---	27.0	29.0	34.0	29.0
12	---	---	---	27.0	31.0	34.0	30.0
13	---	---	---	28.0	31.0	34.0	30.0
14	---	---	---	27.0	31.0	34.0	29.0
15	---	---	23.0	28.0	31.0	34.0	29.0
16	---	---	22.0	28.0	31.0	34.0	29.0
17	---	---	24.0	28.0	31.0	32.0	---
18	---	---	24.0	28.0	31.0	31.0	28.0
19	---	---	23.0	29.0	31.0	33.0	29.0
20	---	---	22.0	29.0	32.0	34.0	29.0
21	---	---	22.0	29.0	31.0	34.0	29.0
22	---	---	22.0	29.0	31.0	---	30.0
23	---	---	22.0	30.0	32.0	---	30.0
24	---	---	23.0	30.0	34.0	34.0	30.0
25	---	---	22.0	30.0	34.0	34.0	31.0
26	---	---	22.0	29.0	34.0	33.0	30.0
27	---	---	23.0	30.0	31.0	34.0	31.0
28	---	---	23.0	30.0	34.0	34.0	31.0
29	---	---	24.0	30.0	33.0	34.0	31.0
30	---	---	26.0	30.0	33.0	33.0	---
31	---	---	26.0	---	34.0	32.0	---

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

DATE	NOV 10,80	MAR 4,81	MAY 12,81	JUN 10,81
TIME	1045	1430	1000	1700
TOTAL CELLS/ML	170	170	920	690
DIVERSITY: DIVISION	1.0	0.9	1.7	1.6
.CLASS	1.0	0.9	1.7	1.6
..ORDER	1.4	1.6	2.2	1.9
...FAMILY	1.7	1.6	2.5	2.7
....GENUS	2.3	1.6	2.7	2.9

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	--	-	--	-
...MICRACTINIACEAE								
....MICRACTINIUM	--	-	--	-	--	-	28	4
...OOCYSTACEAE								
....ANKISTRODESMUS	--	-	52#	31	39	4	170#	24
....DICTYOSPHAERIUM	--	-	--	-	52	6	--	-
....FRANCEIA	--	-	--	-	--	-	14	2
....SELENASTRUM	13	8	--	-	--	-	--	-
...SCENEDESMACEAE								
....CRUCIGENIA	--	-	--	-	--	-	110#	16
....SCENEDESMUS	51#	31	--	-	170#	18	28	4
....TETRASTRUM	51#	31	--	-	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	13	8	--	-	120	13	14	2
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	26#	15	65#	38	39	4	70	10
....MELOSIRA	--	-	--	-	220#	24	--	-
..PENNALES								
...FRAGILARIACEAE								
....SYNEDRA	--	-	--	-	--	-	14	2
...NITZSCHIACEAE								
....NITZSCHIA	--	-	52#	31	13	1	42	6
.XANTHOPHYCEAE								
..HETEROCOCCALES								
...CHLOROTHECIACEAE								
....OPHIOCYTIUM	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
.CRYPTOPHYCEAE								
..CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	--	-	--	-	--	-	28	4
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....ANACYSTIS	13	8	--	-	230#	25	--	-
..HORMOGONALES								
...OSCILLATORIACEAE								
....OSCILLATORIA	--	-	--	-	--	-	170#	24
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..PERIDINIALES								
...GLENODINIACEAE								
....GLENODINIUM	--	-	--	-	39	4	--	-
...PERIDINIACEAE								
....PERIDINIUM	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM, EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

DATE	JUL 9,81		AUG 6,81		SEP 3,81	
TIME	0900		1530		1705	
TOTAL CELLS/ML	140		590		590	
DIVERSITY: DIVISION	1.4		1.7		1.3	
.CLASS	1.4		1.9		1.3	
..ORDER	1.4		2.5		1.9	
...FAMILY	1.4		3.1		1.9	
....GENUS	1.9		3.3		1.9	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHARACIACEAE						
....SCHROEDERIA	--	-	29	5	--	-
...MICRACTINIACEAE						
....MICRACTINIUM	--	-	--	-	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	--	-	14	2	--	-
....DICTYOSPHAERIUM	--	-	120#	20	--	-
....FRANCEIA	--	-	--	-	--	-
....SELENASTRUM	--	-	--	-	--	-
...SCENEDESMACEAE						
....CRUCIGENIA	--	-	--	-	--	-
....SCENEDESMUS	--	-	58	10	--	-
....TETRASTRUM	--	-	--	-	110#	19
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	-	43	7	--	-
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....CYCLOTELLA	13	9	--	-	--	-
....MELOSIRA	26#	18	100#	17	200#	35
..PENNALES						
...FRAGILARIACEAE						
....SYNEDRA	--	-	43	7	--	-
...NITZSCHIACEAE						
....NITZSCHIA	--	-	43	7	160#	28
.XANTHOPHYCEAE						
..HETEROCOCCALES						
...CHLOROTHECIACEAE						
....OPHIOCYTIUM	--	-	14	2	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
.CRYPTOPHYCEAE						
..CRYPTOMONADALES						
...CRYPTOCHRYSIDACEAE						
....CHROOMONAS	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....ANACYSTIS	78#	55	--	-	--	-
..HORMOGONALES						
...OSCILLATORIACEAE						
....OSCILLATORIA	--	-	--	-	110#	19
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	13	9	14	2	--	-
....TRACHELOMONAS	13	9	29	5	--	-
PYRRHOPHYTA (FIRE ALGAE)						
.DINOPHYCEAE						
..PERIDINIALES						
...GLENODINIACEAE						
....GLENODINIUM	--	-	--	-	--	-
...PERIDINIACEAE						
....PERIDINIUM	--	-	86	15	--	-

NOTE: # - DOMINANT ORGANISM, EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED, LESS THAN 1/2%

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 32°58'25", long 91°26'25", in NE1/4NE1/4 sec.21, T.23 N., R.10 E., Morehouse - West Carroll Parish line, Hydrologic Unit 08050001, near left bank on downstream side of bridge on State Highway 835, 2.0 mi (3.2 km) downstream from Arkansas-Louisiana State line, and 7.5 mi (12.1 km) southwest of Kilbourne.

DRAINAGE AREA.--785 mi^2 or 2,033 km^2 (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage heights and daily discharges below 200 ft^3/s or 5.664 m^3/s only). October 1973 to September 1979 (daily gage heights and daily discharges below 200 ft^3/s or 5.664 m^3/s only). October 1979 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 72.11 ft (21.979 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 31, 1957, nonrecording gage, Dec. 31, 1957 to Oct. 1, 1961, water-stage recorder on left bank 300 ft (91 m) upstream. Prior to Oct. 1, 1978, datum 2.00 ft (0.610 m) higher. May 4, 1959 to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962 to Apr. 6, 1969, auxiliary water-stage recorder 1.7 mi (2.7 km) downstream from base gage at datum 74.35 ft (22.662 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Diversions above and below station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow reenters and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000).

AVERAGE DISCHARGE.--11 years (water years 1958-68), 952 ft^3/s (26.96 m^3/s), 689,700 acre-ft/yr (850 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft^3/s (467 m^3/s) Feb. 11, 1966; maximum gage height, 25.41 ft (7.745 m), present datum, about Mar. 17, 1973; no flow at times in 1966, 1974, 1977, and 1978, result of pumping for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 15, 1948, reached a stage of 24.8 ft (7.56 m) present datum (from records of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.18 ft (5.541 m) May 19 may have been higher in June; minimum, not determined

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.78	---	2.40	.68	1.90	2.49	6.83		2.92	---	3.08	4.15
2	9.33	---	1.83	.75	5.37	---	3.64		2.70	---	3.09	4.25
3	8.53	---	1.44	.73	3.36	---	2.10		3.42	---	2.94	6.78
4	7.77	1.16	1.31	.71	2.25	---	1.63		4.60	---	3.71	8.51
5	6.63	1.09	1.23	.71	1.66	---	1.40		5.37	---	---	8.92
6	4.28	.99	1.17	.75	1.42	---	1.26		5.34	---	3.08	6.65
7	2.61	.94	1.11	.80	1.28	---	1.16		14.65	---	2.95	5.32
8	1.89	.94	1.05	.88	1.25	---	1.05		---	---	3.03	4.86
9	1.61	.89	1.15	.90	1.10	---	1.03		---	3.16	3.14	4.58
10	1.31	.88	1.21	.88	1.79	---	.97		---	2.87	3.03	4.18
11	1.19	.81	1.69	.90	5.74	1.35	.93		---	2.63	2.85	3.76
12	1.09	.78	1.98	.88	6.66	1.17	1.03		---	2.59	2.59	3.41
13	1.01	.36	1.53	.92	4.16	1.14	1.07		---	2.14	2.44	3.16
14	.97		1.23	.91	2.24	1.05	.68		---	1.51	2.50	3.05
15	.94	-.04	1.08	.88	1.64	1.02	.31	3.04	---	---	2.67	3.13
16	.92		.94	.89	1.34	1.01	.07	3.12	---	---	2.69	3.31
17	.92	4.33	1.37	.91	1.16	1.02	-.04	9.65	---	---	3.03	3.30
18	1.84	6.48	1.02	.89	1.07	.98	-.04	9.55	---	---	3.31	3.08
19	2.38	7.38	.89	.88	1.03	.94	.15	17.01	---	---	3.59	2.94
20	3.86	6.57	.86	.91	1.07	.88	.46	17.21	---	---	3.87	2.84
21	2.59	3.90	.89	1.07	1.10	.90	.81	10.74	---	---	3.73	2.68
22	1.65	2.31	.90	1.13	1.10	.89	.43	5.12	---		3.54	2.56
23	1.27	1.78	.86	1.29	1.09	.94	.13	3.83	---		3.42	2.45
24	1.12	1.47	.80	1.28	1.03	1.54	.79	3.44	---	1.00	3.43	2.36
25	1.01	1.27	.88	1.16	.95	1.33	1.02	3.22	---	2.84	3.22	2.26
26	4.84	1.24	.91	1.18	.93	1.06	1.31	3.59	---	2.94	3.12	2.18
27	---	5.07	.87	1.03	1.11	.89	1.88	3.81	---	3.05	3.21	2.15
28	---	6.48	.88	1.06	1.13	.82	1.47	4.38	---	2.89	3.46	2.16
29	---	5.17	.88	1.13	---	.87	.91	4.02	---	2.51	4.10	2.16
30	---	3.57	.86	.95	---	2.47		3.47	---	2.03	5.09	2.14
31	---	---	.85	.95	---	8.00	---	3.08	---	2.44	4.72	---
MEAN	---	---	1.16	.94	2.00	---	---	---	---	---	---	3.78
MAX	---	7.38	2.40	1.29	6.66	---	6.83	17.21	---	---	5.09	8.92
MIN	.92	---	.80	.68	.93	.82	---	---	---	---	2.44	2.14

NOTE: Gage height below the lowest recordable stage (-0.04 ft) Nov. 14, 16, Apr. 30 to May 14, July 22, 23.

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958, 1966-72, 1976-77, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 29...	0930	305	6.3	15.5	50	200	8.2	4.4	<5
JAN 07...	1100	678	7.4	7.0	20	10	13.8	5.6	K60
APR 08...	1030	219	6.0	19.0	80	180	7.9	2.2	K52
JUL 08...	1100	680	7.1	30.0	5	10	7.5	2.1	100

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 29...	1600	80	39	20	7.4	25	5.7	41	21
JAN 07...	K70	220	58	55	20	62	3.7	162	61
APR 08...	<4	66	21	17	5.8	13	3.4	45	21
JUL 08...	620	190	80	47	18	58	3.9	113	38

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT 29...	50	.1	6.5	191	161	1.3	1.3	.33
JAN 07...	71	.2	12	380	362	--	--	--
APR 08...	20	.1	7.4	132	115	.90	1.7	.42
JUL 08...	120	.1	11	376	364	.63	1.9	.13

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 29...	2	7	<1	0	2	0	3	9	70	2100	0

DATE	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT 29...	10	20	140	.1	.02	8	17	14	.00	7	<.1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
29...	<1	<.1	<1	<.01	<.1	<.1	2	.01	9.3	<.01	12

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
29...	.04	4.6	<.01	<.1	.01	.4	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
29...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
29...	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
29...	<.01	<.1	<.1	<1	<.01	<.1	.03	.00	.21	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
29...	387	96
JAN		
07...	99	96
APR		
08...	272	96
JUL		
08...	157	90

< Actual value is known to be less than the value shown.

07367900 BAYOU BONNE IDEE NEAR OAK RIDGE, LA

LOCATION.--Lat 32°42'25", long 91°43'43", in NW1/4 sec.23, T.20 N., R.7 E., Morehouse Parish, Hydrologic Unit 08050001, at bridge on Parish Road 6, 1.2 mi (1.9 km) downstream from dam on Horseshoe Lake, and 6.3 mi (10.1 km) northeast of Oak Ridge.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April to September 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
APR 22...	1330	13	426	6.9	26.5	20	10	6.2	140	160
MAY 12...	1730	E.00	495	7.1	29.5	20	10	8.1	50	K20
JUN 10...	1215	16	239	6.4	29.5	20	3.0	1.9	30	K10
JUL 08...	0920	E.00	211	6.2	28.0	30	5.0	--	59	760
AUG 06...	1115	E.00	447	7.6	31.0	30	8.0	1.4	--	K2200
SEP 03...	0930	E.00	453	6.3	27.0	30	4.0	.6	45	K360

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
APR 22...	--	--	--	--	--	--	154	--	--	--
MAY 12...	--	--	--	--	--	--	163	--	--	--
JUN 10...	--	--	--	--	--	--	90	--	--	--
JUL 08...	--	--	--	--	--	--	82	--	--	--
AUG 06...	--	--	--	--	--	--	159	--	--	--
SEP 03...	180	0	47	15	20	7.6	185	4.8	36	.2

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
APR 22...	--	257	--	16	.01	.00	.01	.04	3.2	.16
MAY 12...	--	245	--	17	.01	.00	.01	.12	2.4	.19
JUN 10...	--	144	--	14	.03	.01	.04	.18	1.1	.30
JUL 08...	--	137	--	--	.02	.02	.04	.12	1.6	.59
AUG 06...	--	257	--	22	.10	.00	.10	.14	1.6	.45
SEP 03...	21	262	263	--	.01	.00	.01	.09	1.4	--

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal count).

07367900 BAYOU BONNE IDEE NEAR OAK RIDGE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
APR								
22...	3	80	<1	1	0	<3	5	20
JUL								
08...	17	70	<1	1	10	<3	5	300
SEP								
03...	--	--	--	--	--	--	--	10

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, DIS- SOLVED (UG/L AS ZN)
APR							
22...	5	560	.1	1	0	0	20
JUL							
08...	6	2200	.1	5	0	0	22
SEP							
03...	--	0	--	--	--	--	--

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
APR			
22...	62	2.2	86
MAY			
12...	71	E.00	95
JUN			
10...	48	2.1	83
JUL			
08...	20	E.00	100
AUG			
06...	49	E.00	82
SEP			
03...	77	E.00	99

< Actual value is known to be less than the value shown.

E Estimated.

07368000 BOEUF RIVER NEAR GIRARD, LA

LOCATION.--Lat 32°28'52", long 91°47'52", on line between sec. 1, T.17 N., R. 6 E., and sec.6., T.17 N., R.7 E., Hydrologic Unit 08050001, on downstream side of bridge on U.S. Highway 80, and 0.5 mi (0.8 km) east of Girard.

DRAINAGE AREA.--1,226 mi^2 or 3,175 km^2 (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Daily gage heights as follows: 1886-94 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; since January 1932 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 49.42 ft (15.063 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 3, 1955, nonrecording gage at sites within 200 ft (61 m) upstream. Prior to Oct. 1, 1966, at datum 2.20 ft (0.671 m) higher. Water-stage recorder for Boeuf River southwest of Rayville (station 07368040) used as auxiliary gage for this station. Nov. 20, 1962, to Sept. 30, 1974, at datum 0.60 ft (0.183 m) lower. See WSP 2120 for changes prior to Nov. 20, 1962.

REMARKS.--Records good. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--43 years, 363 ft^3/s (10.28 m^3/s), 263,800 acre-ft/yr (324 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft^3/s (86.9 m^3/s) May 2, 1958; maximum gage height, 21.51 ft (6.556 m) May 6, 1958, present datum; minimum discharge, 7.6 ft^3/s (0.22 m^3/s) Aug. 26, 1980, June 25, 1981; minimum gage height, 2.61 ft (0.796 m) June 25, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 7, 1927, reached a stage of 31.7 ft (9.66 m), present site and datum, (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, about 450 ft^3/s (12.7 m^3/s) Mar. 6, gage height unknown, minimum, 7.6 ft^3/s (0.22 m^3/s) June 25, gage height, 2.61 ft (0.796 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	150	93	38	57	32	70	15	47	18	13	62
2	70	112	69	35	111	55	98	13	34	18	12	69
3	116	76	47	33	159	61	94	12	33	31	12	70
4	141	54	38	27	145	150	74	11	31	97	14	73
5	147	41	30	20	113	275	56	10	31	125	15	96
6	139	33	23	21	92	410	43	10	59	123	20	123
7	119	28	20	24	75	320	37	10	103	115	34	136
8	92	27	19	23	61	208	33	10	156	101	40	126
9	68	25	22	22	49	143	29	11	267	83	55	92
10	49	25	24	21	91	104	27	12	268	63	58	73
11	35	24	29	20	120	74	26	12	230	46	51	58
12	27	22	33	19	149	55	24	12	176	32	43	46
13	23	21	33	20	137	43	23	13	140	24	36	38
14	20	19	33	20	117	35	23	14	110	18	27	34
15	18	19	32	19	92	30	21	13	85	13	23	29
16	17	20	30	18	69	27	21	29	67	11	21	25
17	19	36	28	18	51	25	21	49	51	9.5	23	23
18	25	37	29	18	39	25	19	65	40	8.4	25	21
19	24	49	28	18	32	23	20	147	31	8.9	26	21
20	23	80	26	21	28	22	20	319	23	9.1	28	21
21	24	101	26	22	25	22	19	400	17	9.1	30	20
22	27	99	27	22	24	24	20	350	14	9.1	34	20
23	28	80	29	22	23	23	21	300	10	8.4	34	19
24	26	54	32	21	21	22	22	214	8.5	8.6	33	19
25	23	36	32	21	21	21	21	119	8.0	8.9	33	18
26	22	40	35	21	20	22	21	89	8.8	8.7	31	17
27	127	58	39	20	20	22	20	69	46	8.8	32	17
28	274	92	39	20	20	22	19	55	59	8.9	32	17
29	298	109	40	20	---	26	17	44	38	10	32	16
30	268	109	41	19	---	30	16	38	24	13	34	15
31	205	---	40	19	---	33	---	45	---	14	46	---
TOTAL	2524	1676	1066	682	1961	2384	975	2510	2215.3	1061.4	947	1414
MEAN	81.4	55.9	34.4	22.0	70.0	76.9	32.5	81.0	73.8	34.2	30.5	47.1
MAX	298	150	93	38	159	410	98	400	268	125	58	136
MIN	17	19	19	18	20	21	16	10	8.0	8.4	12	15
AC-FT	5010	3320	2110	1350	3890	4730	1930	4980	4390	2110	1880	2800

CAL YR 1980 TOTAL 66672.7 MEAN 182 MAX 1730 MIN 7.6 AC-FT 132200
WTR YR 1981 TOTAL 19415.7 MEAN 53.2 MAX 410 MIN 8.0 AC-FT 38510

07368000 BOEUP RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.44	5.43	5.02	4.23	4.33	4.04	4.49	3.37	3.94	3.08	2.87	3.66
2	4.05	4.96	4.81	4.17	5.07	4.40	4.79	3.29	3.75	3.11	2.84	3.76
3	4.70	4.60	4.60	4.11	5.59	4.47	4.76	3.22	3.73	3.35	2.84	3.76
4	5.01	4.35	4.44	3.97	5.46	5.82	4.53	3.17	3.68	4.33	2.90	3.80
5	5.08	4.19	4.31	3.69	5.09	---	4.29	3.15	3.68	4.72	2.95	4.10
6	5.00	4.07	4.21	3.76	4.82	---	4.11	3.14	4.10	4.69	3.07	4.51
7	4.79	4.01	4.14	3.83	4.61	---	4.00	3.13	4.68	4.58	3.31	4.71
8	4.46	4.01	4.11	3.81	4.45	6.36	3.92	3.14	5.46	4.38	3.40	4.57
9	4.14	4.00	4.28	3.79	4.29	5.64	3.86	3.16	6.62	4.10	3.62	4.28
10	3.88	4.00	4.37	3.76	4.76	5.07	3.81	3.22	6.79	3.85	3.64	4.01
11	3.69	3.99	4.46	3.74	5.24	4.68	3.78	3.19	6.39	3.61	3.55	3.81
12	3.57	3.97	4.51	3.72	5.50	4.42	3.75	3.21	5.74	3.40	3.43	3.66
13	3.49	3.97	4.49	3.74	5.37	4.25	3.72	3.24	5.08	3.23	3.33	3.53
14	3.43	3.93	4.46	3.73	5.13	4.12	3.69	3.31	4.55	3.05	3.17	3.46
15	3.39	3.92	4.44	3.70	4.83	4.05	3.65	3.23	4.20	2.88	3.07	3.37
16	3.36	3.98	4.40	3.68	4.55	3.98	3.64	3.70	3.93	2.76	3.04	3.30
17	3.44	4.28	4.36	3.67	4.33	3.94	3.62	4.02	3.74	2.70	3.09	3.25
18	3.62	4.31	4.35	3.68	4.17	3.92	3.58	4.24	3.56	2.63	3.12	3.22
19	3.63	4.47	4.33	3.68	4.06	3.87	3.60	5.19	3.41	2.66	3.15	3.21
20	3.62	4.81	4.27	3.77	3.98	3.84	3.59	6.67	3.24	2.67	3.17	3.21
21	3.65	5.01	4.26	3.81	3.94	3.85	3.55	---	3.08	2.67	3.21	3.19
22	3.74	5.00	4.26	3.80	3.93	3.88	3.56	---	2.94	2.67	3.27	3.18
23	3.77	4.84	4.27	3.80	3.89	3.85	3.59	---	2.76	2.63	3.27	3.16
24	3.74	4.59	4.30	3.79	3.86	3.82	3.60	5.85	2.67	2.64	3.26	3.14
25	3.71	4.38	4.29	3.79	3.84	3.79	3.58	5.11	2.64	2.65	3.24	3.13
26	3.68	4.43	4.31	3.79	3.83	3.79	3.57	4.62	2.69	2.65	3.22	3.08
27	4.79	4.66	4.34	3.77	3.82	3.79	3.56	4.28	3.44	2.65	3.23	3.06
28	6.49	4.99	4.33	3.77	3.82	3.78	3.51	4.08	3.80	2.66	3.23	3.07
29	6.70	5.14	4.32	3.77	---	3.86	3.46	3.92	3.50	2.74	3.23	3.03
30	6.52	5.14	4.32	3.75	---	3.94	3.42	3.82	3.24	2.86	3.27	3.00
31	6.00	---	4.28	3.74	---	3.98	---	3.93	---	2.89	3.46	---
MEAN	4.28	4.45	4.38	3.80	4.52	---	3.82	---	4.03	3.21	3.21	3.54
MAX	6.70	5.43	5.02	4.23	5.59	---	4.79	---	6.79	4.72	3.64	4.71
MIN	3.36	3.92	4.11	3.67	3.82	3.78	3.42	3.13	2.64	2.63	2.84	3.00

07368040 BOEUF RIVER SOUTHWEST OF RAYVILLE, LA

LOCATION.--Lat 32°25'40", long 91°49'05", in SW1/4NE1/4 sec.26, T.17 N., R.6 E., Richland Parish, Hydrologic Unit 08050001, on left bank 5.0 mi (8.0 km) southwest of Rayville, and 6.4 mi (10.3 km) downstream from gaging station Boeuf River near Girard (station 07368000).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1974 to current year (gage heights only). Unpublished records from February 1945 to December 1952, and November 1962 to September 1974 are available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft (15.240 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 8, 1952, nonrecording gage and prior to Sept. 30, 1974, at datum 0.60 ft (0.183 m) lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.77 ft (4.197 m) Mar. 18, 1975; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1962, 15.51 ft (4.727 m), present datum, Mar. 20, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.77 ft (1.759 m) Mar. 6; minimum, 0.75 ft (0.229 m) July 27, 28, 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.32	3.95	3.57	3.02	3.57	3.33	3.45	2.78	3.29	1.89	.88	1.38
2	1.56	3.69	3.48	3.00	3.96	3.56	3.52	2.71	3.21	1.86	.86	1.54
3	2.08	3.51	3.40	3.00	4.12	3.56	3.55	2.64	3.22	1.83	.84	1.63
4	2.46	3.38	3.33	2.98	4.10	4.71	3.49	2.60	3.07	2.25	.85	1.65
5	2.62	3.29	3.28	2.97	3.91	5.57	3.39	2.55	3.12	2.72	.89	1.77
6	2.66	3.21	3.23	3.03	3.78	5.75	3.31	2.53	3.33	2.84	.97	2.12
7	2.62	3.18	3.19	3.11	3.65	5.48	3.26	2.53	3.54	2.81	1.09	2.41
8	2.49	3.15	3.17	3.11	3.55	4.96	3.23	2.53	4.06	2.72	1.25	2.44
9	2.37	3.11	3.19	3.11	3.46	4.45	3.19	2.54	4.77	2.57	1.38	2.27
10	2.28	3.07	3.18	3.10	3.86	4.05	3.16	2.61	5.10	2.42	1.50	2.08
11	2.24	3.02	3.17	3.09	4.09	3.79	3.16	2.60	4.78	2.28	1.50	1.93
12	2.22	2.99	3.17	3.07	4.08	3.62	3.13	2.59	4.29	2.15	1.40	1.82
13	2.21	2.95	3.16	3.08	4.05	3.50	3.10	2.60	3.92	2.06	1.31	1.75
14	2.20	2.94	3.14	3.08	3.90	3.41	3.07	2.66	3.60	1.95	1.18	1.75
15	2.20	2.93	3.13	3.04	3.74	3.36	3.02	2.66	3.39	1.88	1.10	1.77
16	2.21	2.96	3.11	3.01	3.58	3.30	3.01	2.85	3.23	1.73	1.03	1.77
17	2.29	3.16	3.08	3.00	3.46	3.27	3.00	3.11	3.10	1.43	.99	1.76
18	2.44	3.20	3.07	3.00	3.38	3.26	2.97	3.21	2.97	1.27	1.00	1.75
19	2.48	3.20	3.06	3.00	3.31	3.22	2.98	3.53	2.86	1.15	1.02	1.75
20	2.51	3.24	3.01	3.05	3.26	3.20	3.00	4.49	2.73	1.04	1.04	1.80
21	2.53	3.33	3.00	3.09	3.25	3.20	2.96	5.44	2.63	.96	1.07	1.83
22	2.57	3.37	3.00	3.09	3.27	3.22	2.95	5.67	2.47	.89	1.13	1.85
23	2.61	3.38	3.02	3.10	3.24	3.21	2.96	5.19	2.18	.84	1.16	1.86
24	2.64	3.35	3.04	3.11	3.21	3.19	2.97	4.56	2.08	.81	1.16	1.87
25	2.66	3.26	3.03	3.12	3.20	3.16	2.97	4.09	2.03	.78	1.16	1.88
26	2.67	3.30	3.03	3.12	3.20	3.16	2.95	3.81	2.16	.81	1.15	1.90
27	3.19	3.48	3.03	3.09	3.17	3.16	2.94	3.60	2.38	.76	1.13	1.90
28	4.34	3.52	3.03	3.08	3.18	3.16	2.89	3.45	2.34	.76	1.14	1.91
29	4.49	3.58	3.03	3.08	---	3.20	2.84	3.35	2.17	.76	1.12	1.92
30	4.52	3.59	3.04	3.07	---	3.26	2.81	3.26	2.03	.81	1.12	1.92
31	4.27	---	3.04	3.05	---	3.31	---	3.34	---	.87	1.21	---
MEAN	2.64	3.28	3.14	3.06	3.59	3.70	3.11	3.29	3.14	1.61	1.12	1.87
MAX	4.52	3.95	3.57	3.12	4.12	5.75	3.55	5.67	5.10	2.84	1.50	2.44
MIN	1.32	2.93	3.00	2.97	3.17	3.16	2.81	2.53	2.03	.76	.84	1.38

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

LOCATION.--Lat 32°29'55", long 91°55'05", in NW1/4SW1/4 sec.26, T.18 N., R.5 E., Ouachita-Richland Parish line, Hydrologic Unit 08050001, near center of span on downstream side of bridge on U.S. Highway 80, 1.1 mi (1.8 km) upstream from Illinois Central Railroad bridge, and 2.5 mi (4.0 km) west of town of Crew Lake.

DRAINAGE AREA.--361 mi2 or 935 km2 (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 37.08 ft (11.302 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 10, 1944, nonrecording gage, Aug. 10, 1944, to June 5, 1952, water-stage recorder, and June 6 to September 30, 1952, nonrecording gage, all at same site at datum 19.00 ft (5.791 m) higher. Water-stage recorder for Bayou Lafourche near Alto (station 07369050) used as auxiliary gage for this station since Oct. 1, 1957.

REMARKS.--Records fair except those for periods of indefinite stage-discharge relation, which are poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

COOPERATION.--Auxiliary gage-height record furnished by Corps of Engineers.

AVERAGE DISCHARGE.--43 years, 1,665 ft3/s (47.15 m3/s), 1,206,000 acre-ft/yr (1.49 km3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft3/s (759 m3/s) May 2, 1958; maximum gage height, 27.55 ft (8.397 m) Feb. 14, 1966; maximum daily reverse flow not determined; no flow at times in August, September, and October 1952, result of temporary storage due to excavation of channel upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 17,000 ft3/s (481 m3/s) was measured Dec. 24, 1931 (from reports of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,200 ft3/s (289 m3/s) May 20, gage height, 20.05 ft (6.111 m); minimum daily, no flow, due to backwater from Ouachita River, June 30; minimum daily, unaffected by backwater, 18 ft3/s (0.51 m3/s) May 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3200	619	822	87	943	258	3030	50	184	100	146	1080
2	3910	341	484	83	3240	1170	1970	45	142	1250	172	909
3	3830	239	324	76	1850	1020	947	38	186	3760	202	1460
4	3480	193	245	82	965	3060	429	32	495	2920	604	2720
5	3000	153	202	73	1020	5190	293	27	1280	2110	906	3540
6	1940	133	177	82	880	3560	231	24	1650	1690	699	3410
7	985	108	164	287	456	3240	185	21	5220	1780	772	2230
8	441	100	142	584	309	1880	161	18	8120	1370	1190	1410
9	292	92	200	588	243	1030	152	18	6960	787	874	1080
10	219	87	232	578	1770	800	135	38	4520	386	640	831
11	173	89	198	560	4010	653	119	65	2510	222	483	583
12	140	79	263	549	3370	399	119	65	843	164	367	407
13	119	68	295	531	2550	308	130	65	600	135	303	288
14	103	63	221	532	1630	275	142	95	600	100	280	244
15	98	62	166	530	1290	223	126	122	500	79	281	268
16	95	64	140	442	752	216	104	318	450	74	254	272
17	104	315	123	98	297	188	95	2250	400	72	335	281
18	189	1500	143	89	239	189	85	4580	350	62	438	255
19	322	2500	157	93	203	173	80	7380	300	68	564	188
20	629	2760	272	119	191	162	70	9870	250	84	621	137
21	662	1940	258	257	169	157	75	9200	250	78	590	117
22	380	1130	121	501	165	165	80	4250	200	67	512	102
23	222	650	108	521	164	148	100	1260	150	64	441	93
24	149	427	110	527	169	143	125	666	110	74	402	78
25	135	242	103	515	168	210	141	407	80	87	375	65
26	118	259	95	442	129	187	108	294	50	111	330	59
27	427	1180	103	174	114	147	91	503	30	148	281	55
28	3550	2300	95	152	110	118	80	495	20	194	350	54
29	4700	2180	94	144	---	183	70	620	10	198	658	51
30	2910	1430	94	152	---	461	60	444	.00	166	1150	48
31	1180	---	86	131	---	1950	---	261	---	158	1360	---
TOTAL	37702	21303	6237	9579	27360	27863	9533	43521	36460.00	18558	16580	22315
MEAN	1216	710	201	309	977	899	318	1404	1215	599	535	744
MAX	4700	2760	822	588	4010	5190	3030	9870	8120	3760	1360	3540
MIN	95	62	86	73	110	118	60	18	.00	62	146	48
AC-FT	74780	42250	12370	19000	54280	55270	18910	86320	72320	36810	32890	44260

CAL YR 1980 TOTAL 877251.00 MEAN 2397 MAX 19400 MIN -20 AC-FT 1740000
WTR YR 1981 TOTAL 277019.00 MEAN 759 MAX 9870 MIN .00 AC-FT 549500

07369000 BAYOU LAFOURCHE NEAR CREW LAKE--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.50	3.85	4.36	1.76	4.31	2.61	9.15	---	2.48	2.39	2.14	4.96
2	10.84	3.02	3.50	1.72	10.93	5.16	7.29	---	2.26	5.12	2.28	4.54
3	10.69	2.62	2.96	1.65	9.39	4.82	4.64	---	2.49	10.56	2.43	5.82
4	10.06	2.41	2.65	1.71	6.95	8.83	3.31	---	3.55	9.57	3.76	8.54
5	9.10	2.21	2.46	1.61	5.92	17.31	2.83	---	5.42	7.98	4.55	10.16
6	7.21	2.09	2.33	1.70	4.82	15.98	2.58	1.27	6.90	7.08	4.05	9.90
7	4.73	1.93	2.27	2.67	3.40	12.82	2.36	1.24	13.03	7.03	4.21	7.50
8	3.36	1.87	2.15	3.78	2.91	9.64	2.24	1.20	17.60	6.10	5.21	5.69
9	2.84	1.80	2.44	3.79	2.64	7.34	2.19	1.19	16.71	4.29	4.47	4.97
10	2.53	1.76	2.59	3.76	6.25	5.11	2.10	1.46	13.67	3.22	3.90	4.41
11	2.31	1.77	2.43	3.72	11.35	3.95	2.00	1.79	10.56	2.57	3.46	3.84
12	2.14	1.67	2.72	3.69	10.45	3.23	2.00	1.79	7.68	2.29	3.07	3.35
13	2.01	1.56	2.85	3.64	9.03	2.90	2.07	1.78	6.29	2.11	2.83	2.93
14	1.90	1.51	2.54	3.65	6.79	2.77	2.14	2.08	5.91	1.88	2.74	2.75
15	1.86	1.49	2.28	3.64	5.43	2.55	2.04	2.29	5.74	1.68	2.74	2.85
16	1.83	1.51	2.14	3.33	4.15	2.52	1.89	2.96	5.50	1.62	2.63	2.87
17	1.89	2.66	2.03	1.45	2.86	2.39	---	7.50	5.41	1.60	2.94	2.90
18	2.39	5.89	2.16	1.78	2.62	2.39	---	12.03	5.30	1.49	3.30	2.80
19	2.95	8.09	2.23	1.81	2.46	2.31	---	16.46	5.16	1.56	3.68	2.50
20	3.88	8.62	2.76	2.00	2.40	2.26	---	19.75	5.03	1.73	3.84	2.23
21	3.97	7.37	2.70	2.61	2.29	2.23	---	18.94	4.91	1.66	3.75	2.10
22	3.16	5.08	2.01	3.55	2.27	2.27	---	13.83	4.71	1.53	3.53	2.00
23	2.54	3.94	1.94	3.61	2.27	2.18	---	7.55	4.59	1.51	3.31	1.93
24	2.18	3.30	1.95	3.63	2.29	2.15	2.04	4.59	4.45	1.61	3.17	1.78
25	2.11	2.63	1.89	3.59	2.13	2.49	2.15	3.34	4.34	1.75	3.07	1.64
26	2.00	2.69	1.83	3.34	2.07	2.38	1.96	2.95	4.17	1.93	2.90	1.56
27	2.94	5.17	1.89	2.32	1.97	2.18	1.86	3.63	3.95	2.16	2.71	1.52
28	10.08	7.67	1.83	2.21	1.95	2.00	---	3.61	3.65	2.40	2.98	1.51
29	12.42	7.64	1.82	2.16	---	2.31	---	3.94	3.37	2.42	3.89	1.47
30	9.22	5.93	1.82	2.21	---	3.42	---	3.46	2.99	2.26	5.11	1.44
31	5.68	---	1.75	2.08	---	6.88	---	2.82	---	2.22	5.59	---
MEAN	4.85	3.66	2.36	2.73	4.73	4.75	---	---	6.26	3.33	3.49	3.75
MAX	12.42	8.62	4.36	3.79	11.35	17.31	9.15	19.75	17.60	10.56	5.59	10.16
MIN	1.83	1.49	1.75	1.61	1.95	2.00	---	1.19	2.26	1.49	2.14	1.44

07369050 BAYOU LAFOURCHE NEAR ALTO, LA

LOCATION.--Lat 32°23'50", long 91°59'40", in NW1/4SE1/4 sec.6, T.16 N., R.5 E., Ouachita - Richland Parish line, Hydrologic Unit 08050001, at bridge on State Highway 15, 8 mi (13 km) west of Alto, 9.5 mi (15.3 km) downstream from gaging station Bayou Lafourche near Crew Lake (station 07369000), and 40 mi (64 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1973 to current year (elevations only). April 1946 to September 1973 published in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

COOPERATION.--Elevations furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 61.46 ft (18.733 m) May 9, 1975; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since April 1946, 63.8 ft (19.45 m) Apr. 23, 1947; minimum, 34.78 ft (10.601 m) May 7, 8, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 53.20 ft (16.215 m) May 21; minimum, 34.78 ft (10.601 m) May 7, 8.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43.45	38.98	39.39	35.45	38.48	36.62	43.40	35.05	38.18	39.10	35.53	39.19
2	44.58	37.61	38.29	35.39	45.84	39.94	42.02	35.45	38.10	39.67	35.69	38.67
3	44.70	36.79	37.42	35.36	45.12	39.65	39.99	35.20	38.85	44.30	36.42	39.03
4	44.20	36.31	36.85	35.30	42.98	43.02	39.00	35.18	39.05	44.22	37.24	39.91
5	43.42	36.08	36.54	35.17	41.68	52.65	38.12	35.12	40.00	42.90	38.41	40.26
6	41.95	35.09	36.31	35.25	40.54	51.80	37.70	35.10	41.98	42.18	38.07	---
7	39.63	35.95	36.16	36.25	38.90	48.30	37.60	34.80	46.50	41.95	37.89	---
8	37.92	35.76	36.06	37.74	37.72	45.40	37.40	34.82	51.01	41.31	39.18	---
9	37.02	35.60	36.22	37.89	37.02	43.38	37.30	34.92	50.85	39.50	38.57	---
10	36.52	35.38	36.60	37.77	39.76	41.32	37.12	35.60	48.48	38.20	37.92	---
11	36.12	35.23	36.40	37.70	45.64	39.78	37.00	35.40	46.02	37.30	37.38	---
12	35.84	35.30	36.42	37.68	45.00	38.49	36.90	35.25	43.90	36.82	36.90	---
13	35.67	35.20	36.76	37.68	43.88	37.68	36.92	35.25	42.85	36.59	36.50	---
14	35.35	35.14	36.56	37.64	41.85	37.26	36.98	35.68	42.52	36.32	36.29	---
15	35.48	35.12	36.21	37.59	40.32	37.02	36.80	36.10	42.37	36.20	36.25	---
16	35.46	35.15	36.04	37.52	39.20	36.80	36.48	36.60	42.20	36.10	36.16	---
17	35.49	36.12	35.88	36.11	37.60	36.75	36.30	40.93	42.12	35.95	36.66	---
18	36.00	39.53	36.06	35.47	37.00	36.65	36.30	45.50	42.00	35.70	37.04	---
19	36.54	41.95	36.10	35.45	36.72	36.45	36.30	49.15	41.82	35.52	37.45	---
20	37.40	42.85	36.42	35.66	36.55	36.40	36.30	52.60	41.70	35.40	37.67	---
21	38.12	42.21	36.66	36.18	36.54	36.38	36.32	52.70	41.59	35.30	37.66	---
22	37.40	40.07	36.35	37.42	36.40	36.45	36.30	49.93	41.40	35.02	37.42	---
23	36.53	38.60	36.08	37.60	36.28	36.20	36.45	43.40	41.20	34.90	37.14	---
24	35.85	37.79	34.98	37.65	36.29	36.02	35.45	40.60	41.12	34.92	36.95	---
25	35.53	36.82	35.73	37.74	36.20	36.30	35.67	38.92	41.00	35.00	36.90	---
26	35.47	36.59	35.61	37.60	36.12	36.38	35.60	38.18	40.88	35.22	36.69	---
27	36.16	39.91	35.64	36.52	36.02	36.20	35.20	38.40	40.62	35.47	36.39	---
28	43.76	41.63	35.60	36.06	35.96	36.10	35.10	38.50	40.35	35.76	36.55	---
29	46.53	42.24	35.55	35.95	---	36.35	34.90	38.70	40.02	35.88	37.30	---
30	44.35	40.94	35.50	35.92	---	37.90	35.00	38.60	39.70	35.74	38.78	35.00
31	41.10	---	35.46	35.84	---	40.60	---	38.18	---	35.60	39.59	---
MEAN	38.82	37.73	36.32	36.60	39.34	39.36	37.06	39.03	42.28	37.55	37.24	---
MAX	46.53	42.85	39.39	37.89	45.84	52.65	43.40	52.70	51.01	44.30	39.59	---
MIN	35.35	35.09	34.98	35.17	35.96	36.02	34.90	34.80	38.10	34.90	35.53	---

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°04'15", long 91°55'40", in NW1/4NE1/4 sec.35, T.13 N., R.5 E., Caldwell-Franklin Parish line, Hydrologic Unit 08050001, at bridge on State Highway 4 crossing, 6.7 mi (10.8 km) northwest of Fort Necessity, and 0.5 mi (0.8 km) downstream from confluence of Bayou Lafourche Cutoff.

DRAINAGE AREA.--2,542 mi^2 (6,584 km^2), arbitrarily determined because of interchange of flow.

PERIOD OF RECORD.--Water years 1976 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to August 1981(discontinued).
WATER TEMPERATURES: April 1978 to September 1981 (discontinued).

INSTRUMENTATION.--Water-quality monitor November 1980 to September 1981 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,480 micromhos Jan. 16, 1981; minimum daily, 50 micromhos Dec. 24, 1978.
WATER TEMPERATURES: Maximum daily, 35.0°C July 18, 19, 1978; minimum daily, 5.0°C on many days during January to February 1979, Feb. 4, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 2,480 micromhos Jan 16; minimum, 134 micromhos June 17.
WATER TEMPERATURES: Maximum, 31.0°C July 11; minimum, 5.5°C Jan. 13.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
NOV 19...	1330	2250	376	7.0	10.0	50	100	9.7	3.7	K3200	5000	93
JAN 08...	1020	329	782	6.3	9.0	100	49	10.6	4.0	K45	2800	170
MAR 04...	1400	5170	206	6.7	15.5	80	280	8.6	2.8	K2200	K3800	55
MAY 12...	1030	E.00	748	6.9	22.0	65	68	8.0	--	620	2700	150
JUL 09...	1000	1890	379	7.1	29.0	15	120	4.8	--	K20	3000	110
SEP 03...	1400	1220	1020	8.0	27.5	5	33	7.1	1.4	820	4700	280

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
NOV 19...	9	24	8.1	31	5.2	84	15	49	.2	8.0	217	192
JAN 08...	32	43	15	94	4.1	137	55	140	.2	13	447	447
MAR 04...	9	14	4.8	17	2.9	46	14	24	.1	6.6	123	112
MAY 12...	23	39	13	86	3.4	128	15	140	.2	9.8	400	384
JUL 09...	33	27	9.3	30	3.3	73	16	55	.1	9.7	211	195
SEP 03...	80	69	27	87	4.9	203	33	180	.2	15	609	538

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal count).

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
NOV											
19...	1.1	1.1	.09	.10	4.9	1.4	.22	.12	--	--	2.6
JAN											
08...	.81	.77	.13	.07	3.6	.96	.11	.06	16	--	--
MAR											
04...	.71	.63	.18	.17	1.5	1.7	.35	.06	--	13	1.9
MAY											
12...	.32	.35	.14	.10	1.7	1.0	.19	.09	--	7.6	2.4
JUL											
09...	1.0	1.0	.28	.15	1.8	1.2	.15	.04	--	6.4	.8
SEP											
03...	.11	.06	.07	.01	1.6	.93	.19	.08	13	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
NOV										
19...	3	2	100	80	3	<1	0	0	3	<3
MAR										
04...	6	3	200	50	0	<1	10	0	3	<3
MAY										
12...	3	2	200	100	1	<1	0	0	2	<3
JUL										
09...	7	3	200	200	1	<1	20	0	1	<3

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
NOV									
19...	9	5	4300	60	20	0	150	40	.2
MAR									
04...	13	6	9200	160	9	2	310	90	.3
MAY									
12...	7	6	3700	270	7	1	350	150	.6
JUL									
09...	8	6	3900	30	15	2	200	90	.2

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV									
19...	.1	7	2	0	0	0	0	60	7
MAR									
04...	.2	11	1	0	0	0	0	50	20
MAY									
12...	.1	11	5	0	1	0	0	10	10
JUL									
09...	.1	6	6	0	0	0	0	30	9

< Actual value is known to be less than the value shown.

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 19...	3000	161	978	98
JAN 08...	--	173	154	94
MAR 04...	6800	436	6090	99
MAY 12...	6800	174	E.00	98
JUL 09...	5900	539	2750	93
SEP 03...	18000	126	415	94

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	297	247	1360	1110				
2			---	---	326	306	1430	1330				
3			---	---	336	316	1350	1080				
4			---	---	335	325	1190	970				
5			---	---	343	313	990	920				
6			427	360	359	339	1030	960				
7			446	426	384	354	1000	851				
8			485	435	410	380	---	---				
9			525	485	445	395	921	561				
10			534	484	471	421	1780	481				
11			553	513	466	416	1980	1820				
12			592	542	462	422	2080	1930				
13			621	541	477	417	2110	1910				
14			681	601	473	423	2100	2030				
15			700	650	478	418	2110	2050				
16			709	609	494	404	2480	1980				
17			958	688	539	459	2180	1870				
18			747	467	555	435	2150	1610				
19			507	337	538	478	2150	1940				
20			406	346	572	502	2160	1680				
21			735	415	495	435	2080	1540				
22			584	444	459	449	2060	1880				
23			594	534	562	422	1990	1220				
24			643	553	595	485	1100	584				
25			672	592	629	549	---	---				
26			801	651	672	542	1750	1610				
27			860	740	755	555	---	---				
28			780	310	709	549	---	---				
29			299	229	---	---	---	---				
30			248	218	1470	956	---	---				
31			---	---	1220	1050	---	---				
MONTH			958	218	1470	247	2480	481				

E Estimated.

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	289	259			---	---		
2	---	---	---	---	269	259			---	---		
3	---	---	---	---	339	209			---	---		
4	---	---	---	---	210	170			---	---		
5	---	---	---	---	200	170			---	---		
6	---	---	---	---	231	181			---	---		
7	---	---	---	---	231	191			---	---		
8	---	---	---	---	---	---			---	---		
9	---	---	---	---	222	162			---	---		
10	---	---	---	---	181	171			---	---		
11	492	472	---	---	180	160			---	---		
12	488	468	---	---	169	149			---	---		
13	505	435	---	---	158	138			---	---		
14	515	455	---	---	157	147			---	---		
15	555	495	841	801	156	146			---	---		
16	545	495	832	762	155	135			806	586		
17	574	484	832	452	144	134			715	575		
18	654	544	433	243	154	144			684	604		
19	694	614	833	313	153	143			604	554		
20	714	554	754	384	162	142			573	513		
21	754	594	434	334	171	151			592	512		
22	844	674	394	344	190	160			621	551		
23	824	704	455	385	189	169			641	571		
24	---	---	515	375	188	158			---	---		
25	---	---	576	436	197	157			---	---		
26	---	---	526	286	196	186			---	---		
27	---	---	287	267	210	180			---	---		
28	---	---	277	247	224	194			---	---		
29	---	---	277	257	237	197			---	---		
30	---	---	268	238	251	201			---	---		
31	---	---	278	268	---	---			---	---		
MONTH	---	---	---	---	339	134			---	---		

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	12.5	11.0	9.0	8.0	13.5	12.0	18.5	16.5
2			---	---	13.0	12.0	9.0	8.5	12.5	9.5	16.5	15.5
3			---	---	13.0	12.5	9.5	7.5	9.5	8.0	15.5	14.0
4			---	---	13.0	12.5	9.5	8.5	8.0	8.0	14.5	13.5
5			---	---	14.5	12.5	8.5	7.5	8.0	7.5	15.0	14.5
6			17.5	16.5	14.5	13.5	8.0	7.5	8.0	7.5	14.5	14.5
7			17.0	16.0	15.5	14.0	8.5	7.5	8.0	7.5	14.5	14.0
8			18.0	17.0	16.0	14.5	9.0	8.0	9.0	8.0	14.0	13.5
9			18.5	17.5	---	---	8.5	8.0	9.0	8.5	14.0	13.5
10			19.0	18.0	15.5	14.0	8.5	8.0	11.5	9.0	14.0	13.5
11			19.0	18.0	14.0	13.0	8.0	7.5	12.0	9.5	---	---
12			18.0	17.5	14.0	13.0	7.0	6.0	9.5	8.0	---	---
13			17.5	16.5	13.0	12.5	6.5	5.5	8.5	7.5	---	---
14			18.5	17.0	13.0	12.0	7.0	6.0	8.5	8.0	16.5	15.0
15			18.0	17.0	12.5	12.0	7.0	6.5	9.0	8.5	17.0	16.0
16			17.0	15.0	12.0	12.0	7.5	6.5	9.5	9.0	17.0	16.0
17			15.0	13.0	12.0	11.5	7.0	6.5	11.0	9.5	17.0	16.5
18			13.0	11.0	11.5	11.0	7.0	6.0	12.0	11.0	17.0	16.5
19			12.0	10.5	11.5	10.5	7.0	6.5	14.5	11.5	16.5	15.5
20			13.0	12.0	10.0	8.5	7.0	6.5	---	---	16.5	15.0
21			13.0	11.5	8.0	7.0	6.5	6.0	---	---	---	---
22			11.5	11.0	7.0	7.0	7.0	6.5	16.5	16.0	---	---
23			11.5	11.0	8.0	7.0	7.5	6.5	16.0	15.0	16.5	15.5
24			12.0	11.5	9.0	8.0	8.5	7.5	16.0	15.0	---	---
25			12.0	11.5	8.0	7.0	9.5	8.0	17.0	15.5	---	---
26			11.5	10.5	7.5	6.5	10.5	9.5	16.5	15.5	---	---
27			11.0	10.0	7.5	7.0	11.0	10.5	17.5	16.0	---	---
28			10.5	9.5	7.5	6.5	12.0	10.5	18.0	17.0	---	---
29			10.5	9.5	8.0	7.5	12.0	10.5	---	---	---	---
30			11.0	10.0	8.5	7.5	12.0	11.5	---	---	---	---
31			---	---	9.0	7.5	12.5	11.0	---	---	---	---
MONTH			19.0	9.5	16.0	6.5	12.5	5.5	18.0	7.5	---	---

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	26.5	25.5	29.5	28.5			---	---
2	---	---	---	---	27.0	26.5	29.0	28.5			---	---
3	---	---	---	---	26.5	25.5	29.5	28.5			---	---
4	---	---	---	---	26.0	25.5	29.0	28.5			---	---
5	---	---	---	---	25.5	25.5	28.5	27.0			---	---
6	---	---	---	---	26.5	25.5	28.0	27.0			---	---
7	---	---	---	---	26.5	26.0	28.0	27.0			---	---
8	---	---	---	---	27.5	26.0	29.5	27.5			---	---
9	---	---	---	---	27.0	26.0	30.0	28.5			---	---
10	---	---	---	---	28.0	27.0	30.5	29.5			---	---
11	24.0	23.0	---	---	28.0	27.5	31.0	30.0			---	---
12	25.0	23.5	---	---	28.0	27.5	---	---			---	---
13	25.0	24.0	---	---	28.0	28.0	---	---			---	---
14	26.0	23.5	---	---	28.5	28.0	---	---			---	---
15	25.0	23.5	23.5	22.0	28.5	28.0	---	---			---	---
16	25.0	23.5	23.0	22.0	28.5	28.0	---	---			27.0	26.5
17	25.5	23.5	23.5	21.5	28.5	27.5	---	---			26.5	25.0
18	26.0	24.0	23.0	21.5	28.0	28.0	---	---			25.0	23.5
19	26.0	24.5	22.5	21.5	28.0	28.0	---	---			24.0	22.5
20	27.0	25.0	21.5	20.5	28.5	28.0	---	---			24.0	22.0
21	25.5	24.0	21.0	20.5	29.0	27.5	---	---			25.0	22.5
22	26.5	25.0	21.5	20.5	28.5	27.5	---	---			24.5	23.0
23	24.5	23.5	22.5	21.0	28.5	27.5	---	---			26.5	24.0
24	---	---	23.0	22.0	28.5	28.0	---	---			27.5	25.0
25	---	---	23.5	23.0	28.5	28.0	---	---			28.5	25.5
26	---	---	24.5	23.5	29.0	28.0	---	---			28.0	26.0
27	---	---	24.5	23.5	29.0	28.0	---	---			28.0	26.0
28	---	---	24.5	24.0	28.5	28.0	---	---			27.5	26.5
29	---	---	25.5	24.0	28.0	28.0	---	---			28.5	26.5
30	---	---	26.0	25.0	28.5	28.0	---	---			30.5	27.0
31	---	---	27.5	25.5	---	---	---	---			---	---
MONTH	---	---	---	---	29.0	25.5	---	---			---	---

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

	NOV 19,80	MAR 4,81	MAY 12,81	JUL 9,81	SEP 3,81
DATE	NOV 19,80	MAR 4,81	MAY 12,81	JUL 9,81	SEP 3,81
TIME	1330	1400	1030	1000	1400
TOTAL CELLS/ML	3000	6800	6800	5900	18000
DIVERSITY: DIVISION	1.6	1.5	1.9	1.4	1.1
.CLASS	1.8	1.5	1.9	1.4	1.1
..ORDER	2.5	2.1	2.4	2.2	1.7
...FAMILY	2.9	2.3	2.8	2.4	1.7
....GENUS	3.4	2.6	3.5	2.8	2.1

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...CHARACIACEAE										
....SCHROEDERIA	21	1	--	-	--	-	*	0	--	-
...MICRACTINIACEAE										
....MICRACTINIUM	--	-	*	0	--	-	--	-	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	140	5	82	1	93	1	83	1	--	-
....CHODATELLA	--	-	--	-	47	1	--	-	--	-
....DICTYOSPHAERIUM	21	1	1200#	18	230	3	--	-	490	3
....GLOEOACTINIUM	--	-	--	-	--	-	55	1	--	-
....KIRCHNERIELLA	--	-	*	0	47	1	*	0	--	-
....OOCYSTIS	21	1	200	3	--	-	--	-	160	1
....SELENASTRUM	--	-	--	-	--	-	*	0	160	1
....TETRAEDRON	--	-	--	-	47	1	--	-	--	-
...SCENEDESMACEAE										
....CRUCIGENIA	--	-	--	-	--	-	440	7	--	-
....SCENEDESMUS	210	7	--	-	840	12	400	7	--	-
....TETRASTRUM	83	3	--	-	--	-	--	-	--	-
..TETRASPORALES										
...PALMELLACEAE										
....SPHAEROCYSTIS	--	-	--	-	--	-	220	4	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CARTERIA	21	1	--	-	980	14	--	-	490	3
....CHLAMYDOMONAS	140	5	98	1	510	8	42	1	330	2
...PHACOTACEAE										
....PTEROMONAS	--	-	--	-	--	-	*	0	--	-
...VOLVOCACEAE										
....PANDORINA	--	-	--	-	370	5	--	-	--	-

NOTE: # - DOMINANT ORGANISM, EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369150 BOEUF RIVER NEAR PORT NECESSITY, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 19,80 1330		MAR 4,81 1400		MAY 12,81 1030		JUL 9,81 1000		SEP 3,81 1400	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSOPHYTA										
.BACILLARIOPHYCEAE										
..CENTRALES										
...COSCINODISCACEAE										
....CYCLOTELLA	330	11	260	4	1300#	18	220	4	990	5
....MELOSIRA	350	12	260	4	370	5	140	2	1600	9
....STEPHANODISCUS	21	1	--	-	--	-	--	-	--	-
..PENNALES										
...ACHNANTHACEAE										
....COCCONEIS	21	1	--	-	--	-	--	-	--	-
...CYMBELLACEAE										
....CYMBELLA	--	-	*	0	--	-	--	-	--	-
...NAVICULACEAE										
....NAVICULA	190	6	110	2	--	-	--	-	--	-
....PINNULARIA	--	-	*	0	--	-	--	-	--	-
...NITZSCHIACEAE										
....NITZSCHIA	560#	19	560	8	47	1	190	3	12000#	65
...SURIRELLACEAE										
....SURIRELLA	--	-	*	0	--	-	--	-	--	-
.CHRYSOPHYCEAE										
..CHRYSOMONADALES										
...CHROMULINACEAE										
....CHRYSOCOCCUS	100	3	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
.CRYPTOPHYCEAE										
..CRYPTOMONADALES										
...CRYPTOCHRYSIDACEAE										
....CHROOMONAS	--	-	--	-	47	1	--	-	--	-
...CRYPTOMONADACEAE										
....CRYPTOMONAS	--	-	--	-	--	-	--	-	490	3
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	--	-	--	-	--	-	440	7	--	-
....ANACYSTIS	660#	22	3200#	47	750	11	780	13	--	-
..HORMOGONALES										
...NOSTOCACEAE										
....APHANIZOMENON	--	-	160	2	--	-	--	-	--	-
...OSCILLATORIACEAE										
....OSCILLATORIA	--	-	490	7	--	-	2700#	45	--	-
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	21	1	49	1	560	8	97	2	160	1
....LEPOCINCLIS	--	-	--	-	--	-	*	0	160	1
....PHACUS	--	-	--	-	--	-	--	-	160	1
....TRACHELOMONAS	21	1	65	1	560	8	69	1	990	5
PYRRHOPHYTA (FIRE ALGAE)										
.DINOPHYCEAE										
..GYMNODINIALES										
...GYMNODINIACEAE										
....GYMNODINIUM	21	1	--	-	--	-	--	-	--	-
..PERIDINIALES										
...GLENODINIACEAE										
....GLENODINIUM	--	-	--	-	--	-	--	-	160	1
...PERIDINIACEAE										
....PERIDINIUM	--	-	--	-	47	1	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369205 TURKEY CREEK AT STATE HIGHWAY 15, AT WINNSBORO, LA

LOCATION.--Lat 32°09'15", long 91°42'42", in SE 1/4NW1/4 sec. 36, T.14 N., R.7 E., Franklin Parish, Hydrologic Unit 08050001, on downstream side of bridge on State Highway 15, at Winnsboro.

DRAINAGE AREA.--28.8 mi^2 (74.6 km^2).

PERIOD OF RECORD.--March 1975 to September 1978 (gage heights and one discharge measurement). October 1978 to December 1980 (elevations only), discontinued ; converted to a flood-profile partial-record station.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1978 at datum 50.11 ft (15.274 m) higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 63.49 ft (19.352 m), present datum, June 12, 1975; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation during period October to December, 57.52 ft (17.532 m) Oct. 27; minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.32	51.41	---									
2	51.30	51.28	---									
3	51.30	51.32	---									
4	51.32	51.28	---									
5	51.30	51.26	---									
6	51.33	51.26	---									
7	51.33	51.24	---									
8	51.33	51.26	---									
9	51.31	51.25	---									
10	51.30	---	---									
11	51.31	---	51.74									
12	51.31	---	51.57									
13	51.31	---	51.45									
14	51.32	---	51.35									
15	51.32	---	51.34									
16	51.32	---	51.29									
17	51.33	---	51.31									
18	51.81	---	51.28									
19	51.41	---	51.26									
20	51.31	---	51.25									
21	51.27	---	51.27									
22	51.29	---	51.28									
23	51.29	---	51.33									
24	51.30	---	51.32									
25	51.27	---	---									
26	51.29	---	---									
27	51.29	---	---									
28	56.52	---	---									
29	53.50	---	---									
30	52.13	---	---									
31	51.62	---	---									
MEAN	51.60	---	---									
MAX	56.52	---	---									
MIN	51.27	---	---									

07369365 BUSHLEY BAYOU NEAR HARRISONBURG, LA

LOCATION.--Lat 31°44'36", long 91°49'41", in SE1/4NE1/4 sec.23, T. 9 N., R.6 E., Catahoula Parish, Hydrologic Unit 08040207, near left bank on upstream side of bridge on State Highway 124, 2.2 mi (3.5 km) south of Harrisonburg.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1977 to December 1980 (elevations only, discontinued); converted to a flood-profile partial-record station.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Bushley Bayou, a former tributary of the Ouachita River, is now separated from that river by a dam at north end of the lake thus formed. Outflow from the lake drains by way of Bushley Bayou into Catahoula Lake through an overflow channel with a controlled grade with invert starting elevation at about 41 ft (12 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 52.31 ft (15.944 m) May 2, 1979; minimum, 40.10 ft (12.222 m) Sept. 27, 28, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum elevation during period October to December 1980, 42.92 ft (13.082 m) Nov. 17, 18; minimum, 40.18 ft (12.247 m) Oct. 13, 14, 15, 16, 17.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.32	41.50	41.96									
2	40.30	41.44	41.86									
3	40.30	41.38	41.76									
4	40.28	41.32	41.68									
5	40.26	41.26	41.60									
6	40.24	41.22	41.52									
7	40.24	41.18	41.48									
8	40.22	41.14	41.42									
9	40.22	41.12	41.50									
10	40.22	41.08	41.64									
11	40.22	41.06	41.62									
12	40.20	41.02	41.60									
13	40.20	40.98	41.54									
14	40.18	40.98	41.48									
15	40.18	41.00	41.44									
16	40.18	41.00	41.38									
17	40.18	42.62	41.34									
18	41.50	42.90	41.30									
19	42.14	42.72	41.26									
20	42.08	42.52	41.18									
21	41.96	42.32	41.16									
22	41.86	42.18	41.12									
23	41.76	42.06	41.10									
24	41.68	41.96	41.08									
25	41.58	41.84	41.02									
26	41.50	41.84	41.02									
27	41.46	42.44	41.00									
28	41.78	42.36	40.98									
29	41.74	42.22	40.96									
30	41.66	42.08	40.94									
31	41.58	---	40.92									
MEAN	40.91	41.69	41.35									
MAX	42.14	42.90	41.96									
MIN	40.18	40.98	40.92									

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA

LOCATION.--Lat 32°48'50", long 91°11'10", T.21 N., R.12 E., East Carroll Parish, Hydrologic Unit 08050003, center of Lake Providence opposite the mouth of Tensas Bayou and 1.5 mi (2.45 km) northeast of Lake Providence.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 29...	1400	179	7.1	18.5	5	9.0	8.1	2.3	K16
JAN 05...	1515	192	8.3	7.0	5	8.0	13.7	5.3	<5
APR 22...	1000	193	8.0	24.0	5	4.0	9.0	--	K2
JUL 08...	1530	189	8.5	33.5	5	2.0	11.8	3.3	<2

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 29...	K76	75	0	20	6.0	5.3	3.9	84	.8
JAN 05...	<5	83	0	22	6.7	5.0	3.8	87	4.6
APR 22...	K4	85	0	23	6.6	5.9	3.6	87	13
JUL 08...	K30	75	0	20	6.2	7.7	4.0	89	2.6

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 29...	2.9	.1	4.2	105	94	.08	1.4	.22	5.8
JAN 05...	5.3	.2	.1	109	100	.17	1.1	.08	10
APR 22...	3.7	.1	.2	111	108	.00	.60	.06	6.1
JUL 08...	5.4	.1	1.7	111	101	.03	1.4	.06	6.8

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CU)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)
OCT 29...	4	23	<1	1	5	0	3	21	10	8300

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT 29...	2	30	1	740	.1	.06	9	50	.00	3

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 29...	<.1	<1	<.1	<1	<.01	<.1	<.1	41	.01	180	<.01
JAN 05...	<.1	<1	<.1	<1	<.01	<.1	<.1	25	.01	140	<.01
APR 22...	<.1	<1	<.1	<1	<.01	<.1	<.1	35	<.01	190	<.01
JUL 08...	<.1	4	<.1	<1	<.01	<.1	<.1	92	<.01	150	<.01

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 29...	220	<.01	12	<.01	<.1	.02	2.6	<.01	<.1	<.01	2.3
JAN 05...	200	<.01	18	<.01	--	.01	2.4	<.01	<.1	<.01	1.5
APR 22...	180	<.01	95	<.01	<.1	<.01	4.1	<.01	<.1	<.01	2.1
JUL 08...	190	<.01	43	<.01	<.1	<.01	1.3	<.01	<.1	<.01	1.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 29...	<.01	<.1	<.01	<.1	<.01	2.1	<.01	<.1	<.01	<.1
JAN 05...	<.01	--	<.01	<.1	<.01	<.1	<.01	<.1	<.01	--
APR 22...	<.01	<.1	<.01	<.1	<.01	<.1	.05	<.1	<.01	<.1
JUL 08...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 29...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JAN 05...	<.01	<.1	<.01	--	<.01	--	<.01	<.1	<.01	--
APR 22...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JUL 08...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 29...	<.01	<.1	<.1	<1	<.01	<.1	.01	<.01	.01	<.01
JAN 05...	<.01	<.1	<.1	<1	<.01	--	.01	<.01	.01	<.01
APR 22...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	.01	<.01
JUL 08...	<.01	<.1	<.1	<1	<.01	<.1	.01	<.01	.01	<.01

< Actual value is known to be less than the value shown.

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA

LOCATION.--Lat 32°50'40", long 91°13'25", in sec.13, T.21 N., R.12 E., East Carroll Parish, Hydrologic Unit 08050003, on upstream side of Baxter Bayou bridge on U.S. Highway 65, 3.0 mi (4.8 km) northwest of village of Lake Providence.

DRAINAGE AREA.--18.7 mi^2 (48.4 km^2).

PERIOD OF RECORD.--Water years 1962, 1969, 1978 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 29...	1330	177	7.1	18.0	5	7.0	8.0	5.8	K20
JAN 05...	1540	181	8.3	7.5	5	15	13.2	4.8	<5
APR 22...	1030	202	7.6	23.0	10	5.0	7.0	--	K6
JUL 08...	1515	189	8.4	32.0	0	1.0	11.0	2.8	<2

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
OCT 29...	84	75	0	20	6.0	5.4	4.0	85	1.7
JAN 05...	<5	79	0	21	6.4	5.5	3.7	87	2.9
APR 22...	K4	84	0	23	6.5	6.3	3.7	94	.4
JUL 08...	5	79	0	21	6.5	7.1	3.4	89	2.6

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 29...	3.1	.2	4.3	101	96	.09	1.3	.20	6.7
JAN 05...	3.0	.2	.1	103	95	.16	1.3	.09	8.5
APR 22...	3.4	.1	.4	108	100	.00	.59	.06	6.1
JUL 08...	4.7	.1	1.8	105	100	.00	1.0	.08	4.8

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)
OCT										
29...	4	25	<1	1	5	0	4	21	20	8900

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT										
29...	2	30	2	780	.1	.05	8	52	.00	0

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT											
29...	<.1	<1	<.1	<1	<.01	<.1	<.1	24	.01	190	<.01
JAN											
05...	<.1	20	<.1	<1	<.01	<.1	<.1	32	.01	110	<.01
APR											
22...	<.1	<1	<.1	<1	<.01	<.1	<.1	22	<.01	23	<.01
JUL											
08...	<.1	8	<.1	<1	<.01	<.1	<.1	62	<.01	40	<.01

DATE	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT											
29...	200	<.01	15	<.01	<.1	.01	2.6	<.01	<.1	<.01	2.3
JAN											
05...	190	<.01	4.4	<.01	--	.01	1.9	<.01	<.1	<.01	<.1
APR											
22...	89	<.01	8.1	<.01	<.1	.01	.7	<.01	<.1	<.01	<.1
JUL											
08...	110	<.01	5.8	<.01	<.1	<.01	.4	<.01	<.1	<.01	<.1

< Actual value is known to be less than the value shown.

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 29...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JAN 05...	<.01	--	<.01	<.1	<.01	<.1	<.01	<.1	<.01	--
APR 22...	<.01	<.1	<.01	<.1	<.01	<.1	.05	<.1	<.01	<.1
JUL 08...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 29...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JAN 05...	<.01	<.1	<.01	--	<.01	--	.01	<.1	<.01	--
APR 22...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JUL 08...	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 29...	<.01	<.1	<.1	<1	<.01	<.1	.01	.00	.01	.00
JAN 05...	<.01	<.1	<.1	<1	<.01	--	.02	<.01	.01	<.01
APR 22...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01
JUL 08...	<.01	<.1	<.1	<1	<.01	<.1	.01	<.01	.01	<.01

< Actual value is known to be less than the value shown.

07369455 BRUSHY BAYOU AT TALLULAH, LA

LOCATION.--Lat 32°23'52", long 91°11'57", on line between secs.31 and 32, T.16 N., R.12 E., Madison Parish, Hydrologic Unit 08050003, at bridge on U.S. Highway 65 at Tallulah, 0.9 mi (1.4 km) upstream from control structure, and 1.0 mi (1.6 km) upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1974 to February 1981 (elevations only), discontinued as a continuous-record station, converted to a flood-profile partial-record station.

GAGE.--Water-stage recorder. Datum of the gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed by earthfill dam on Brushy Bayou. Reservoir elevations are regulated by a drop inlet structure with crest elevation controlled by movable stop logs. The elevation can vary from 62.0 to 75.0 ft (18.90 to 22.86 m) by use of the stop logs. Reservoir is used for flood control and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 75.53 ft (23.022 m) Dec. 2, 3, 1977; minimum, 69.37 ft (21.144 m) Mar. 9, 1980 (regulated).

EXTREMES FOR CURRENT YEAR.--Maximum elevation during period October 1980 to February 1981, 73.02 ft (22.256 m) Feb 1; minimum, 70.98 ft (21.635 m) Oct. 16,17 (regulated).

ELEVATION (FEET NGVD), OCTOBER 1980 TO FEBRUARY 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71.31	71.38	71.73	---	72.74							
2	71.29	71.38	71.73	---	72.96							
3	71.26	71.37	71.73	---	72.87							
4	71.23	71.37	71.72	---	72.74							
5	71.21	71.36	71.72	---	72.65							
6	71.18	71.35	71.71	---	72.62							
7	71.16	71.35	71.71	---	72.58							
8	71.14	71.34	71.71	---	72.54							
9	71.11	71.33	71.76	---	72.52							
10	71.09	71.33	71.83	---	72.52							
11	71.07	71.33	71.84	---	72.48							
12	71.05	71.31	71.84	---	72.51							
13	71.03	71.30	71.84	---	72.48							
14	71.01	71.30	71.84	---	72.47							
15	71.00	71.30	71.83	---	72.45							
16	70.99	71.29	71.83	---	72.45							
17	70.98	71.50	71.83	---	72.45							
18	71.16	71.51	71.83	---	72.44							
19	71.15	---	71.84	---	72.43							
20	71.13	---	71.81	---	72.42							
21	71.12	---	71.80	---	72.41							
22	71.10	---	71.80	---	72.40							
23	71.09	---	71.81	---	72.38							
24	71.07	---	71.80	---	72.38							
25	71.05	---	---	---	---							
26	71.04	71.57	---	---	---							
27	71.04	71.71	---	---	---							
28	71.39	71.73	---	---	---							
29	71.40	71.73	---	72.01	---							
30	71.39	71.73	---	71.99	---							
31	71.39	---	---	71.99	---							
MEAN	71.15	---	---	---	---							
MAX	71.40	71.73	71.84	---	72.96							
MIN	70.98	71.29	---	---	---							

07369457 LOWER ROUNDAWAY BAYOU TRIBUTARY NEAR TALLULAH, LA

LOCATION.--Lat 32°22'33", long 91°11'57", on line between secs. 43 and 44, T. 16 N., R. 12 E., Madison Parish, Hydrologic Unit 08050003, near center of bridge on U.S. Highway 65, and 1.5 mi (2.4 km) south of Tallulah.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1974 to February 1981 (elevations only), discontinued as a continuous-record station, converted to a flood-profile partial-record station.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 73.62 ft (22.439 m) June 11, 1975; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation during period October 1980 to February 1981, 68.78 ft (20.964 m) Feb. 1; minimum, 63.95 ft (19.492 m) Oct. 3, 6.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63.96	64.04	64.27	64.16	67.93							
2	63.96	64.06	64.21	64.16	68.34							
3	63.96	64.09	64.17	64.17	67.65							
4	63.96	64.10	64.18	64.17	66.95							
5	63.95	64.12	64.19	64.17	66.09							
6	63.97	64.14	64.20	64.18	65.40							
7	63.98	64.16	64.18	64.47	64.99							
8	63.99	64.13	64.17	64.38	64.77							
9	63.99	64.13	64.22	64.33	64.57							
10	63.98	64.14	64.47	64.29	64.50							
11	63.99	64.13	64.34	64.25	64.69							
12	63.97	64.14	64.26	64.23	64.52							
13	63.98	64.17	64.21	64.23	64.44							
14	64.00	64.21	64.19	64.22	64.38							
15	64.01	64.21	64.17	64.23	64.36							
16	64.01	64.21	64.18	64.26	64.36							
17	64.02	64.72	64.16	64.24	64.36							
18	64.17	64.80	64.17	64.24	64.35							
19	64.03	64.39	64.17	64.25	64.34							
20	63.99	64.24	64.14	64.52	64.33							
21	64.03	64.16	64.14	65.27	64.29							
22	64.08	64.13	64.15	64.89	64.25							
23	64.10	64.17	64.17	64.56	64.22							
24	64.13	64.19	64.18	64.39	64.21							
25	64.09	64.20	64.17	64.33	---							
26	64.14	64.27	64.17	64.27	---							
27	64.17	65.37	64.17	64.30	---							
28	64.68	64.88	64.18	64.30	---							
29	64.35	64.43	64.17	64.35	---							
30	64.10	64.31	64.17	64.30	---							
31	64.04	---	64.09	64.33	---							
MEAN	64.06	64.28	64.19	64.34	---							
MAX	64.68	65.37	64.47	65.27	68.34							
MIN	63.95	64.04	64.09	64.16	---							

07369468 PANOLA BAYOU AT TALLULAH, LA

LOCATION.--Lat 32°25'02", long 91°12'24", in SW1/4NE1/4 sec.35, T.17 N., R.12 E., Madison Parish, Hydrologic Unit 08050003, at bridge on U.S. Highway 80, 0.2 mi (0.3 km) northeast of Tallulah, 0.4 mi (0.6 km) upstream from Illinois Central Railroad, and 1.9 mi (3.1 km) upstream from flood gates on Roundaway Bayou.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1977 to February 1981 (elevations only), discontinued as a continuous-record station, converted to a flood-profile partial-record station.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 74.72 ft (22.775 m) May 8, 1978; minimum, 61.84 ft (18.849 m) Dec. 26, 1978 (regulated).

EXTREMES FOR CURRENT YEAR.--Maximum elevation during period October 1980 to February 1981, 71.90 ft (21.915 m) Feb. 1; minimum, not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62.72	62.67	62.74	62.65	68.08							
2	62.68	62.66	62.72	62.65	68.35							
3	62.65	62.65	62.71	62.64	66.96							
4	62.65	62.65	62.70	62.64	66.08							
5	62.67	62.64	62.69	62.63	65.09							
6	62.68	62.63	62.69	62.63	64.26							
7	62.66	62.67	62.70	63.19	63.77							
8	62.66	62.66	62.70	62.88	63.52							
9	62.66	62.67	62.90	62.77	63.34							
10	62.70	62.68	63.37	62.72	63.31							
11	62.70	62.69	62.91	62.69	63.46							
12	62.66	62.69	62.79	62.67	63.30							
13	62.64	62.69	62.74	62.68	63.25							
14	62.63	62.69	62.72	62.68	63.21							
15	62.63	62.70	62.70	62.68	63.19							
16	62.65	62.71	62.70	62.66	63.17							
17	62.66	63.45	62.70	62.66	63.17							
18	63.06	63.13	62.69	62.66	63.16							
19	62.89	62.84	62.69	62.66	63.08							
20	62.74	62.74	62.68	62.76	63.09							
21	62.71	62.71	62.67	63.67	63.07							
22	62.70	62.71	62.66	63.12	63.07							
23	62.70	62.79	62.65	62.94	63.05							
24	62.69	62.79	62.66	62.87	62.99							
25	62.68	62.76	62.65	62.81	62.94							
26	62.68	62.75	62.65	62.74	---							
27	62.67	63.52	62.65	62.72	---							
28	63.53	62.93	62.65	62.69	---							
29	62.88	62.80	62.65	62.67	---							
30	62.76	62.76	62.66	62.66	---							
31	62.69	---	62.65	62.65	---							
MEAN	62.73	62.78	62.72	62.77	---							
MAX	63.53	63.52	63.37	63.67	68.35							
MIN	62.63	62.63	62.65	62.63	---							

07369500 TENSAS RIVER AT TENDAL, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°25'55", long 91°22'00", in NW1/4 sec.29, T.17 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, near left bank on upstream side of bridge on U.S. Highway 80 at Tendal, 200 ft (61 m) upstream from Illinois Central Railroad bridge, and 2.8 mi (4.2 km) east of Waverly.

DRAINAGE AREA.--309 mi^2 or 800 km^2 (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft (15.261 m) National Geodetic Vertical Datum of 1929. Prior to July 11, 1944, nonrecording gage at site 1,000 ft (305 m) upstream at same datum. July 11, 1944, to Sept. 14, 1954, nonrecording gage at same site and datum. Water-stage recorder for Tensas River southeast of Tendal (07369515) used as auxiliary gage for this station since Oct. 1, 1957. See WSP 1711 and 1731 for history of changes prior to Oct. 1, 1957.

REMARKS.--Records fair. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined.

AVERAGE DISCHARGE.--45 years (water years 1936-81), 330 ft^3/s (9.35 m^3/s), 239,100 acre-ft/yr (295 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,610 ft^3/s (131 m^3/s) Nov. 19, 1948; maximum gage height, 24.91 ft (7.593 m) June 12, 1975; minimum discharge, 2.0 ft^3/s (0.057 m^3/s) Sept. 30, 1981, but may have been less during period of indefinite stage-discharge relation in October 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 15, 1927 (affected by overflow from Mississippi River) reached a stage of 34.02 ft (10.369 m) and is the highest since then.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,180 ft^3/s (61.7 m^3/s) Feb. 2; maximum gage height, 18.13 ft (5.526 m) Feb. 3; minimum discharge, 2.0 ft ^{3}/s (0.057 m^3/s) Sept. 30, gage height, 5.13 ft (1.564 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	165	148	8.4	746	32	498	13	72	100	30	14
2	24	128	110	8.2	2170	103	518	15	104	860	33	21
3	19	96	75	8.2	2130	103	361	17	186	1100	34	34
4	15	66	47	8.4	1780	520	255	21	222	820	32	33
5	15	42	30	8.0	1390	1540	153	20	182	635	28	27
6	12	31	24	9.0	1100	1450	95	18	243	593	26	21
7	11	24	18	12	900	1100	61	15	350	484	27	16
8	10	20	14	15	800	802	41	12	380	415	28	13
9	9.7	19	17	17	700	598	31	11	390	381	27	8.2
10	9.0	18	27	15	600	438	26	12	320	253	27	7.5
11	8.6	17	34	13	500	313	22	16	161	158	28	7.0
12	7.7	19	28	11	400	213	20	20	74	98	39	8.7
13	8.2	25	23	9.6	326	144	18	21	109	59	36	8.9
14	8.2	27	19	9.1	240	94	17	22	297	44	25	11
15	8.8	26	15	8.8	173	56	17	20	280	35	16	16
16	9.0	27	14	8.4	128	38	17	23	176	38	11	24
17	13	35	12	8.2	89	29	16	43	100	37	13	22
18	18	59	10	8.1	58	25	16	68	55	31	14	17
19	23	94	10	8.2	40	21	17	507	37	29	13	13
20	29	95	9.2	11	31	19	17	734	33	26	14	11
21	27	76	8.4	22	26	18	17	570	33	25	14	10
22	23	54	8.2	39	23	19	16	411	33	33	14	9.0
23	18	39	8.2	37	21	19	17	270	34	41	13	8.5
24	15	31	9.6	30	20	18	19	153	40	35	13	7.6
25	14	27	9.0	24	17	19	18	213	64	34	13	6.5
26	14	28	8.5	21	15	17	17	373	122	43	13	5.0
27	18	118	8.8	17	15	15	16	441	105	49	11	4.0
28	92	275	8.3	14	14	14	15	352	61	47	12	2.5
29	245	263	8.3	12	---	28	14	244	43	40	15	2.5
30	269	199	8.2	12	---	267	14	155	92	35	19	2.5
31	219	---	8.2	11	---	329	---	96	---	31	19	---
TOTAL	1239.2	2143	777.9	443.6	14452	8401	2379	4906	4398	6609	658	391.4
MEAN	40.0	71.4	25.1	14.3	516	271	79.3	158	147	213	21.2	13.0
MAX	269	275	148	39	2170	1540	518	734	390	1100	39	34
MIN	7.7	17	8.2	8.0	14	14	14	11	33	25	11	2.5
AC-FT	2460	4250	1540	880	28670	16660	4720	9730	8720	13110	1310	776

CAL YR 1980 TOTAL 163381.1 MEAN 446 MAX 3600 MIN 7.7 AC-FT 324100
WTR YR 1981 TOTAL 46798.1 MEAN 128 MAX 2170 MIN 2.5 AC-FT 92820

NOTE: Gage heights below lowest recordable stage, 5.46 ft (1.664 m) Sept. 10, 19-30. Gage heights Sept. 24-30 from graph based on once-daily wire-weight gage reading.

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.90	7.49	7.32	5.58	10.42	5.84	10.05	5.55	6.41	6.76	5.91	5.72
2	5.88	7.08	6.88	5.58	17.42	6.80	10.64	5.74	6.82	12.05	5.96	5.82
3	5.78	6.68	6.45	5.58	18.07	6.79	9.53	5.86	7.67	14.14	5.97	5.99
4	5.73	6.29	6.07	5.58	17.35	9.65	8.33	5.91	7.97	13.34	5.95	5.96
5	5.72	5.95	5.85	5.58	16.03	14.79	7.35	5.90	7.65	12.29	5.89	5.87
6	5.67	5.80	5.77	5.59	14.78	14.46	6.68	5.87	8.12	11.97	5.86	5.77
7	5.65	5.69	5.70	5.65	13.65	13.08	6.23	5.82	9.23	11.13	5.87	5.68
8	5.63	5.64	5.65	5.69	12.51	11.73	5.96	5.78	9.42	10.10	5.88	5.61
9	5.62	5.62	5.68	5.72	11.41	10.51	5.81	5.77	9.72	9.10	5.87	5.52
10	5.60	5.61	5.84	5.69	10.53	9.48	5.74	5.79	8.67	8.22	5.88	
11	5.59	5.60	5.95	5.66	10.09	8.62	5.68	5.84	7.43	7.47	5.89	5.47
12	5.57	5.63	5.87	5.63	9.44	7.89	5.64	5.90	6.42	6.79	6.08	5.49
13	5.57	5.72	5.80	5.60	8.72	7.27	5.62	5.92	6.84	6.30	6.02	5.47
14	5.57	5.74	5.75	5.59	8.10	6.68	---	5.92	8.51	6.08	5.89	5.48
15	5.57	5.73	5.70	5.59	7.58	6.17	---	5.90	8.39	5.95	5.74	5.55
16	5.57	5.74	5.67	5.58	7.11	5.91	---	5.94	7.60	5.99	5.67	5.65
17	5.63	5.85	5.65	5.58	6.63	5.79	---	6.23	6.78	5.99	5.70	5.61
18	5.70	6.20	5.62	5.58	6.22	5.74	---	6.58	6.20	5.91	5.72	5.52
19	5.76	6.66	5.62	5.58	5.97	5.68	---	9.90	5.93	5.88	5.70	
20	5.84	6.67	5.60	5.63	5.84	5.64	---	11.74	5.88	5.85	5.72	
21	5.81	6.43	5.58	5.79	5.77	5.62	---	10.92	5.88	5.83	5.71	
22	5.75	6.13	5.58	6.02	5.72	5.64	---	9.55	5.88	5.95	5.72	
23	5.68	5.91	5.58	5.99	5.70	5.64	---	8.32	5.90	6.06	5.70	
24	5.62	5.80	5.60	5.88	5.68	5.63	---	7.37	5.99	5.98	5.70	5.28
25	5.61	5.75	5.59	5.79	5.63	5.64	---	7.90	6.32	5.98	5.70	5.24
26	5.60	5.76	5.59	5.74	5.61	5.61	---	9.03	7.06	6.09	5.71	5.20
27	5.65	6.88	5.59	5.67	5.59	5.58	---	9.50	6.85	6.19	5.67	5.18
28	6.63	8.34	5.58	5.62	5.58	5.57	---	8.90	6.30	6.15	5.68	5.14
29	8.14	8.25	5.58	5.58	---	5.76	---	8.13	6.04	6.06	5.73	5.14
30	8.31	7.78	5.58	5.58	---	8.43	---	7.39	6.70	5.99	5.78	5.14
31	7.94	---	5.58	5.57	---	8.89	---	6.71	---	5.93	5.78	---
MEAN	5.94	6.28	5.80	5.66	9.40	7.63	---	7.15	7.15	7.66	5.81	---
MAX	8.31	8.34	7.32	6.02	18.07	14.79	10.64	11.74	9.72	14.14	6.08	5.99
MIN	5.57	5.60	5.58	5.57	5.58	5.57	---	5.55	5.88	5.83	5.67	5.14

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1955-57, 1966-73, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1967 to September 1968, November 1971 to September 1972, April 1975 to September 1981 (discontinued).
WATER TEMPERATURES: October 1967 to September 1968, April 1975 to September 1981 (discontinued).

INSTRUMENTATION.--Water-quality monitor April 1975 to September 1979.

REMARKS.--The temperature range for the water-quality monitor, 0.0°C to 36.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 824 micromhos Sept. 3, 1981; minimum, 42 micromhos May 29, 1978.
WATER TEMPERATURES: Maximum, higher than 36.5°C Aug. 10, Sept. 1, 1977; minimum, 2.0°C Feb. 10, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.0°C was observed Jan. 23, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 824 micromhos Sept. 3; minimum daily, 64 micromhos Feb. 3.
WATER TEMPERATURES: Maximum daily, 32.0°C July 24-31, Aug. 1-3, 9-22; minimum daily, 7.0°C Dec. 17.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 29...	1615	266	249	6.8	16.0	60	260	5.3	3.3	900	K2200	70
NOV 19...	1600	100	538	7.4	10.5	5	21	8.5	2.5	K140	240	200
DEC 03...	1130	75	216	5.8	10.0	80	210	7.9	3.9	--	820	70
JAN 07...	1445	12	601	9.1	8.5	30	17	11.7	4.1	K5	K35	250
FEB 04...	1345	20	81	6.4	6.0	80	480	9.7	3.7	--	3100	27
MAR 04...	1130	422	245	6.5	14.0	40	260	7.7	2.5	780	6400	93
APR 08...	1330	39	250	6.2	20.0	30	240	5.0	4.6	K40	K20	97
MAY 12...	1415	20	592	7.2	22.5	10	13	8.9	--	K15	K55	230
JUN 10...	1445	320	173	6.6	31.0	50	580	4.7	1.9	240	3600	57
JUL 08...	1800	384	192	6.9	31.0	50	130	5.5	1.9	K75	1500	64
AUG 06...	1330	27	670	8.3	31.0	20	11	9.1	3.4	K4	K1300	220
SEP 03...	1115	35	716	7.8	26.0	5	27	4.5	1.5	K1000	6000	210

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT 29...	0	18	6.0	21	5.0	71	17	16	.2	7.9	157	136
NOV 19...	0	52	17	29	4.5	235	1.5	26	.3	19	316	291
DEC 03...	3	18	6.2	9.4	4.5	67	16	9.0	.2	11	126	116
JAN 07...	0	60	24	34	3.6	263	20	28	.3	19	350	347
FEB 04...	7	7.3	2.1	4.2	2.2	20	7.8	2.8	.0	5.6	65	46
MAR 04...	12	23	8.6	12	3.2	81	22	8.4	.1	8.9	152	137
APR 08...	7	26	7.8	10	3.8	90	19	7.3	.1	12	154	141
MAY 12...	0	60	20	35	4.1	258	13	21	.2	15	348	323
JUN 10...	5	15	4.8	9.0	3.9	52	7.6	7.0	.1	9.9	124	91
JUL 08...	0	17	5.1	12	4.1	73	6.6	6.4	.1	12	119	108
AUG 06...	0	55	21	61	4.3	307	1.0	32	.3	19	392	378
SEP 03...	0	51	20	76	3.8	298	<5.0	45	.3	16	413	396

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
OCT 29...	2.1	2.1	.14	.12	1.4	1.6	.38	.31	--	19	4.0
NOV 19...	.78	.80	.10	.12	.92	.81	.26	.24	8.6	--	--
DEC 03...	2.1	1.8	.21	.05	1.9	1.1	.21	.07	11	--	--
JAN 07...	.13	.00	.00	.01	1.1	.63	.94	.05	--	10	.8
FEB 04...	1.6	1.7	.30	.14	2.5	2.1	.57	.18	16	--	--
MAR 04...	2.1	2.1	.12	.17	1.7	1.8	.34	.09	14	--	--
APR 08...	1.0	.99	--	.27	--	1.6	.26	.09	--	10	1.9
MAY 12...	.01	.03	--	.17	1.4	.31	.16	.05	24	--	--
JUN 10...	2.9	2.9	--	.32	2.1	1.9	.57	.11	12	--	--
JUL 08...	1.1	1.1	.30	.19	1.6	1.5	.26	.13	--	7.7	--
AUG 06...	.11	.13	.18	.18	1.3	1.3	.15	.00	6.4	--	--
SEP 03...	.03	.02	.15	.14	1.5	.94	.25	.13	9.0	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 29...	7	3	200	50	0	<1	20	10	5	<3
JAN 07...	1	1	200	200	0	<1	10	0	0	<3
APR 08...	5	2	200	80	0	<1	30	10	4	<3
JUL 08...	11	7	100	100	1	<1	20	0	0	<3

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 29...	22	21	14000	90	14	12	220	5	.2
JAN 07...	6	2	1100	10	6	2	260	210	.3
APR 08...	9	4	11000	30	6	2	350	190	.1
JUL 08...	11	5	5900	120	16	5	80	20	.2

< Actual value is known to be less than the value shown.

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 29...	.1	17	18	1	1	0	0	70	5
JAN 07...	.2	3	3	0	0	0	0	20	7
APR 08...	.0	12	1	0	0	2	0	60	10
JUL 08...	.3	7	6	0	0	0	0	50	10

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 29...	--	626	450	98
NOV 19...	450	102	28	99
DEC 03...	--	221	45	100
JAN 07...	--	81	2.6	98
FEB 04...	--	540	29	100
MAR 04...	2300	409	466	97
APR 08...	--	352	37	100
MAY 12...	11000	111	6.0	97
JUN 10...	560	651	562	99
JUL 08...	7700	227	235	96
AUG 06...	53000	91	6.6	81
SEP 03...	--	114	11	98

07369500 TENSAS RIVER AT TENDAL, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	705	198	---	585	203	386	235	508	206	185	645	---
2	706	209	---	593	---	337	153	---	240	185	677	822
3	703	249	214	599	64	277	158	512	151	---	674	824
4	707	232	216	612	82	213	185	519	---	---	---	808
5	---	200	229	611	156	99	187	524	185	---	---	809
6	660	297	229	609	167	104	208	536	242	---	---	698
7	743	269	248	613	159	154	---	549	182	197	---	717
8	741	279	304	611	166	161	---	563	---	167	---	709
9	743	317	349	622	150	161	229	561	---	200	634	700
10	746	330	300	626	149	159	273	---	---	222	652	694
11	743	333	325	625	140	164	308	566	---	169	664	702
12	721	347	380	620	144	168	314	591	---	169	611	701
13	698	364	434	606	141	177	337	626	144	319	721	704
14	697	387	438	628	141	188	347	646	144	338	720	636
15	738	---	416	630	154	223	397	670	190	286	711	673
16	591	---	461	634	---	225	372	653	214	370	711	717
17	732	462	444	629	187	246	358	640	235	415	710	716
18	728	412	---	627	169	264	406	620	215	439	710	701
19	689	538	475	633	225	276	408	295	299	529	727	687
20	666	425	502	625	240	301	418	148	300	528	719	681
21	624	441	---	646	283	314	433	163	373	561	783	683
22	630	376	516	666	304	328	435	197	373	584	784	674
23	659	---	477	626	319	346	435	199	401	563	763	682
24	669	339	529	636	319	363	446	133	449	569	758	686
25	669	345	---	634	341	374	453	130	439	594	770	---
26	667	351	539	621	351	388	466	174	---	644	781	690
27	687	344	563	586	371	390	481	133	450	620	776	695
28	714	354	555	574	383	400	492	169	370	672	---	693
29	---	382	561	564	---	405	497	169	370	688	794	696
30	248	---	573	550	---	297	502	176	454	674	---	702
31	194	---	579	425	---	179	---	185	---	649	---	---
MAX	746	538	579	666	383	405	502	670	454	688	794	824
MIN	194	198	214	425	64	99	153	130	144	167	611	636

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	15.0	---	15.0	15.0	15.0	20.0	27.0	---	27.0	32.0	---
2	27.0	15.0	---	14.0	---	17.0	20.0	---	---	27.0	32.0	27.0
3	27.0	15.0	10.0	13.0	10.0	15.0	22.0	25.0	---	---	32.0	27.0
4	28.0	15.0	9.0	---	10.0	15.0	22.0	27.0	---	---	---	27.0
5	---	15.0	12.0	12.0	10.0	15.0	22.0	27.0	---	---	---	25.0
6	25.0	15.0	13.0	11.0	10.0	15.0	22.0	23.0	---	---	---	25.5
7	23.0	15.0	13.0	11.0	10.0	15.0	---	23.0	---	27.0	---	26.0
8	20.0	15.0	15.0	11.0	10.0	15.0	---	23.0	---	27.0	---	26.0
9	20.0	15.0	13.0	11.0	10.0	15.0	23.0	23.5	---	28.0	32.0	27.0
10	20.0	---	14.0	11.0	10.0	15.0	22.0	---	---	---	32.0	27.0
11	20.0	---	14.0	11.0	10.0	15.0	25.0	25.0	---	29.0	32.0	27.0
12	20.0	---	15.0	11.0	10.0	15.0	---	25.0	---	30.0	32.0	27.0
13	20.0	---	---	11.0	10.0	15.0	25.0	25.0	28.0	30.0	32.0	27.0
14	20.0	---	---	11.0	10.0	15.0	25.0	25.0	29.0	30.0	32.0	27.0
15	---	---	14.0	11.0	10.0	15.0	25.0	25.0	26.0	30.0	32.0	25.0
16	20.0	---	9.0	11.0	---	15.0	25.0	25.0	26.0	30.0	32.0	24.0
17	20.0	14.0	7.0	11.0	12.0	15.0	25.0	25.0	28.0	30.0	32.0	21.0
18	19.0	14.0	---	11.0	10.0	15.0	25.0	24.0	26.5	30.0	32.0	21.0
19	19.0	14.0	8.0	11.0	15.0	15.0	22.0	23.0	26.0	30.0	32.0	21.0
20	20.0	14.0	10.0	11.0	15.0	15.0	27.0	22.0	26.5	30.0	32.0	21.0
21	20.0	13.0	---	11.0	15.0	15.0	27.0	22.0	28.0	30.0	32.0	23.0
22	20.0	10.0	11.0	11.0	15.0	15.0	27.0	---	28.0	30.0	32.0	23.0
23	20.0	---	12.0	11.0	15.0	15.0	27.0	---	28.0	31.0	30.0	25.0
24	20.0	10.0	8.0	11.0	15.0	15.0	---	---	28.0	32.0	29.5	25.0
25	20.0	10.0	---	12.0	15.0	17.0	27.0	---	28.0	32.0	29.0	---
26	20.0	10.0	12.0	11.0	15.0	17.0	27.0	---	---	32.0	28.0	---
27	20.0	10.0	13.0	13.0	15.0	17.0	27.0	---	28.0	32.0	28.0	26.0
28	22.0	10.0	13.0	13.0	15.0	17.0	27.0	---	28.0	32.0	---	---
29	---	10.0	14.0	15.0	---	18.5	27.0	---	27.0	32.0	20.0	---
30	17.0	---	13.0	15.0	---	18.5	27.0	---	27.0	32.0	---	---
31	17.0	---	15.0	13.0	---	19.0	---	---	---	32.0	---	---
MAX	28.0	15.0	15.0	15.0	15.0	19.0	27.0	27.0	29.0	32.0	32.0	27.0
MIN	17.0	10.0	7.0	11.0	10.0	15.0	20.0	22.0	26.0	27.0	20.0	21.0

07369500 TENSAS RIVER AT TENDAL, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

DATE	NOV 19,80	MAR 4,81	MAY 12,81	JUN 10,81
TIME	1600	1130	1415	1445
TOTAL CELLS/ML	450	2300	11000	560
DIVERSITY: DIVISION	2.0	1.8	2.1	0.8
.CLASS	2.0	1.8	2.1	0.8
..ORDER	2.3	2.1	2.4	1.5
...FAMILY	2.8	2.6	2.8	1.5
....GENUS	3.0	2.7	3.4	1.5

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	--	-	--	-
...COELASTRACEAE								
....COELASTRUM	--	-	--	-	--	-	--	-
...MICRACTINIACEAE								
....MICRACTINIUM	--	-	14	1	650	6	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	13	3	--	-	*	0	--	-
....CHODATELLA	--	-	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	500	5	--	-
....GLOEOACTINIUM	--	-	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	--	-	--	-
....OOCYSTIS	--	-	--	-	--	-	--	-
....SELENASTRUM	13	3	--	-	100	1	--	-
....TETRAEDRON	--	-	--	-	*	0	--	-
....TREUBARIA	--	-	--	-	--	-	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	55	2	--	-	--	-
....CRUCIGENIA	52	11	--	-	400	4	--	-
....SCENEDESMUS	52	11	--	-	1100	10	--	-
....TETRASTRUM	--	-	--	-	200	2	--	-
..TETRASPORALES								
...COCCOMYXACEAE								
....NANNOCHLORIS	--	-	--	-	--	-	--	-
...PALMELLACEAE								
....GLOEOCYSTIS	--	-	--	-	--	-	--	-
....SPHAEROCYSTIS	--	-	--	-	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	13	3	170	7	200	2	--	-
...PHACOTACEAE								
....PTEROMONAS	--	-	--	-	*	0	--	-
...POLYBLEPHARIDACEAE								
....SPERMATOZOOPSIS	--	-	--	-	--	-	--	-
...VOLVOCACEAE								
....PANDORINA	--	-	770#	34	--	-	--	-
..ZYGNEMATALES								
...DESMIDIACEAE								
....PENIUM	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	52	11	69	3	2800#	26	140#	25
....MELOSIRA	--	-	--	-	500	5	--	-
..PENNALES								
...FRAGILARIACEAE								
....SYNEDRA	--	-	--	-	*	0	--	-
...GOMPHONEMATACEAE								
....GOMPHONEMA	--	-	14	1	--	-	--	-
...NAVICULACEAE								
....NAVICULA	--	-	55	2	*	0	--	-
...NITZSCHIACEAE								
....NITZSCHIA	39	9	580#	25	200	2	280#	50
.XANTHOPHYCEAE								
..HETEROCOCCALES								
...CHLOROTHECIACEAE								
....OPHIOCYTIUM	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
.CRYPTOPHYCEAE								
..CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	26	6	--	-	--	-	--	-
...CRYPTOMONADACEAE								
....CRYPTOMONAS	140#	31	--	-	250	2	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369500 TENSAS RIVER AT TENDAL, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

DATE	NOV 19,80		MAR 4,81		MAY 12,81		JUN 10,81	
TIME	1600		1130		1415		1445	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	--	-	--	-	--	-
....ANACYSTIS	26	6	--	-	2300#	21	--	-
....COCCOCHLORIS	--	-	--	-	--	-	--	-
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENOPSIS	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	--	-	--	-
....OSCILLATORIA	--	-	190	8	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	220	10	750	7	--	-
....LEPOCINCLIS	--	-	--	-	--	-	--	-
....PHACUS	--	-	--	-	100	1	--	-
....TRACHELOMONAS	26	6	140	6	150	1	--	-
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..GYMNODINIALES								
...GYMNODINIACEAE								
....GYMNODINIUM	--	-	--	-	--	-	140#	25
..PERIDINIALES								
...GLENODINIACEAE								
....GLENODINIUM	--	-	14	1	200	2	--	-
...PERIDINIACEAE								
....PERIDINIUM	--	-	--	-	--	-	--	-

DATE	JUL 8,81	AUG 6,81	SEP 3,81
TIME	1800	1330	1115
TOTAL CELLS/ML	7700	53000	3300
DIVERSITY: DIVISION	0.9	0.8	1.7
.CLASS	0.9	0.8	1.7
..ORDER	1.6	0.9	2.4
...FAMILY	1.8	1.2	3.0
....GENUS	2.0	1.7	3.9

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHARACIACEAE						
....SCHROEDERIA	*	0	*	0	22	1
...COELASTRACEAE						
....COELASTRUM	--	-	960	2	--	-
...MICRACTINIACEAE						
....MICRACTINIUM	--	-	*	0	43	1
...OOCYSTACEAE						
....ANKISTRODESMUS	41	1	1200	2	260	8
....CHODATELLA	--	-	*	0	--	-
....DICTYOSPHAERIUM	--	-	--	-	43	1
....GLOEOACTINIUM	--	-	--	-	170	5
....KIRCHNERIELLA	*	0	*	0	--	-
....OOCYSTIS	140	2	*	0	--	-
....SELENASTRUM	*	0	540	1	--	-
....TETRAEDRON	--	-	*	0	--	-
....TREUBARIA	--	-	*	0	--	-
...SCENEDESMACEAE						
....ACTINASTRUM	--	-	--	-	--	-
....CRUCIGENIA	110	1	720	1	260	8
....SCENEDESMUS	55	1	3700	7	520#	16
....TETRASTRUM	--	-	--	-	87	3

NOTE: # - DOMINANT ORGANISM: EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369500 TENSAS RIVER AT TENDAL, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

DATE	JUL 8,81		AUG 6,81		SEP 3,81	
TIME	1800		1330		1115	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
..TETRASPORALES						
...COCCOMYXACEAE						
....NANNOCHLORIS	--	-	--	-	87	3
...PALMELLACEAE						
....GLOEOCYSTIS	55	1	--	-	--	-
....SPHAEROCYSTIS	120	2	660	1	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	290	4	840	2	--	-
...PHACOTACEAE						
....PTEROMONAS	*	0	--	-	--	-
...POLYBLEPHARIDACEAE						
....SPERMATOZOOPSIS	--	-	--	-	43	1
...VOLVOCACEAE						
....PANDORINA	--	-	--	-	350	10
..ZYGNEMATALES						
...DESMIDIACEAE						
....PENIUM	--	-	--	-	22	1
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....CYCLOTELLA	140	2	360	1	220	6
....MELOSIRA	*	0	--	-	--	-
..PENNALES						
...FRAGILARIACEAE						
....SYNEDRA	--	-	--	-	--	-
...GOMPHONEMATACEAE						
....GOMPHONEMA	--	-	--	-	--	-
...NAVICULACEAE						
....NAVICULA	--	-	*	0	--	-
...NITZSCHIACEAE						
....NITZSCHIA	83	1	*	0	87	3
.XANTHOPHYCEAE						
..HETEROCOCCALES						
...CHLOROTHECIACEAE						
....OPHIOCYTIUM	--	-	*	0	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
.CRYPTOPHYCEAE						
..CRYPTOMONADALES						
...CRYPTOCHRYSIDACEAE						
....CHROOMONAS	--	-	--	-	--	-
...CRYPTOMONADACEAE						
....CRYPTOMONAS	--	-	--	-	43	1
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	210	3	39000#	73	--	-
....ANACYSTIS	860	11	3700	7	--	-
....COCCOCHLORIS	--	-	*	0	--	-
..HORMOGONALES						
...NOSTOCACEAE						
....ANABAENOPSIS	120	2	--	-	--	-
...OSCILLATORIACEAE						
....LYNGBYA	--	-	--	-	220	6
....OSCILLATORIA	5300#	68	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	55	1	--	-	390	12
....LEPOCINCLIS	--	-	--	-	260	8
....PHACUS	--	-	--	-	43	1
....TRACHELOMONAS	69	1	--	-	87	3
PYRRHOPHYTA (FIRE ALGAE)						
.DINOPHYCEAE						
..GYMNODINIALES						
...GYMNODINIACEAE						
....GYMNODINIUM	--	-	--	-	--	-
..PERIDINIALES						
...GLENODINIACEAE						
....GLENODINIUM	*	0	--	-	65	2
...PERIDINIACEAE						
....PERIDINIUM	--	-	--	-	22	1

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369515 TENSAS RIVER SOUTHEAST OF TENDAL, LA

LOCATION.--Lat 32°23'17", long 91°20'05", in SW1/4NW1/4 sec.10, T.16 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, on right bank 1.6 mi (2.6 km) upstream from mouth of Judd Bayou, 3.5 mi (5.6 km) southeast of Tendal, and 8.5 mi (13.7 km) downstream from gaging station Tensas River at Tendal (station 07369500).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1975 to current year (gage heights only). Unpublished records November 1951 to September 1975 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft (15.261 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 9, 1962, nonrecording gage at same site and prior to September 30, 1957, at datum 0.31 ft (0.094 m) lower.

REMARKS.--Small diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.66 ft (6.297 m) Jan. 23, 1979, from floodmark; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1951, 21.83 ft (6.654 m) June 12, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.54 ft (4.432 m) Feb. 3,4; minimum, 4.19 ft (1.278 m), Dec. 31, Jan. 1-6.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.52	6.14	5.98	4.19	7.02	---	8.22	4.42	5.38	5.58	4.61	4.51
2	4.46	5.78	5.60	4.20	13.16	---	8.99	4.26	---	9.34	4.61	4.57
3	4.40	5.46	5.24	4.20	14.44	---	8.37	4.26	---	11.56	4.64	4.68
4	4.37	5.15	4.90	4.19	14.34	---	7.39	4.31	---	11.50	4.65	4.62
5	4.33	4.80	4.60	4.19	13.52	---	6.50	4.37	---	10.73	4.61	4.55
6	4.32	4.56	4.43	4.22	---	---	5.89	4.42	---	10.46	4.58	4.49
7	4.31	4.39	4.34	4.28	---	---	5.45	4.41	---	9.86	4.58	4.45
8	4.31	4.31	4.30	4.28	---	---	5.14	4.39	---	8.83	4.62	4.42
9	4.30	4.26	4.35	4.28	---	---	4.84	4.39	---	---	4.63	4.39
10	4.30	4.24	4.43	4.29	---	---	4.69	4.42	---	---	4.62	4.39
11	4.29	4.23	4.49	4.28	---	---	4.61	4.41	---	---	4.62	4.38
12	4.26	4.21	4.52	4.26	---	---	4.57	4.44	---	---	4.68	4.39
13	4.26	4.25	4.46	4.25	---	---	4.54	4.46	5.58	---	4.75	4.40
14	4.26	4.30	4.38	4.24	---	---	4.52	4.53	6.60	---	4.67	4.40
15	4.26	4.33	4.33	4.23	---	---	4.51	4.49	6.96	---	4.58	4.43
16	4.24	4.36	4.30	4.22	---	---	4.50	4.52	6.43	4.71	4.50	4.47
17	4.29	4.45	4.28	4.21	---	---	4.51	4.58	5.77	4.72	4.48	4.47
18	4.36	4.53	4.26	4.20	---	4.61	4.52	5.08	5.16	4.67	4.51	4.47
19	4.34	4.94	4.24	4.20	---	4.57	4.51	7.43	4.75	4.61	4.50	4.44
20	4.38	5.17	4.22	4.32	---	4.52	4.54	9.31	4.57	4.57	4.49	4.42
21	4.41	5.10	4.20	4.40	---	4.48	4.54	9.08	4.55	4.56	4.50	4.40
22	4.40	4.92	4.20	4.49	---	4.49	4.53	8.06	4.52	4.56	4.48	4.39
23	4.35	4.66	4.21	4.60	---	4.48	4.52	7.03	4.52	4.67	4.47	4.39
24	4.31	4.48	4.21	4.57	---	4.47	4.56	6.17	4.51	4.69	4.44	4.40
25	4.27	4.37	4.21	4.47	---	4.46	4.57	6.00	4.82	4.63	4.44	4.42
26	4.26	4.37	4.21	4.40	---	4.46	4.55	6.02	5.47	4.67	4.44	4.42
27	4.31	4.73	4.21	4.35	---	4.44	4.53	---	5.59	4.79	4.43	4.40
28	4.57	6.23	4.21	4.30	---	4.42	4.52	---	5.17	4.83	4.43	4.37
29	5.95	6.64	4.20	4.28	---	4.90	4.51	---	4.79	4.79	4.45	4.36
30	6.57	6.36	4.20	4.25	---	7.45	4.50	5.99	4.96	4.70	4.49	4.34
31	6.51	---	4.20	4.24	---	7.66	---	5.62	---	4.65	4.52	---
MEAN	4.53	4.86	4.45	4.29	---	---	5.20	---	---	---	4.55	4.44
MAX	6.57	6.64	5.98	4.60	14.44	---	8.99	9.31	---	11.56	4.75	4.68
MIN	4.24	4.21	4.20	4.19	---	4.42	4.50	4.26	4.51	4.56	4.43	4.34

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA

LOCATION.--Lat 32°03'20", long 91°13'35", in NE1/4SE1/4 lot 3, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, near left bank on upstream side of Clark Bayou bridge on State Highway 605, 1.5 mi (2.4 km) southeast of Newellton.

DRAINAGE AREA.--23.2 mi^2 (60.1 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1977 to current year (elevations only). Unpublished records from February 1959 to September 1961 available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed from an oxbow lake by two control structures on Clark Bayou. Control structure No. 1 has a 70-ft (21.3-m) long weir with a crest elevation of 63.0 ft (19.2 m) and two timber lift gates with widths of 10-ft (3.0-m) each with a low sill at invert elevation of 56.0 ft (17.1 m). Control structure No. 2 on upper Clark Bayou has a drop inlet weir length of 53-ft (16.2-m) with crest elevation of 65.0 ft (19.8 m) and an 8-ft (2.4-m) wide timber lift gate with invert elevation of 58.5 ft (17.8 m). Pool stage of 65.0 ft (19.8 m) is controlled by structure No. 2 because control structure No. 1, located upstream is submerged. Reservoir is used for irrigation and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 68.60 ft (20.909 m) Jan. 21, 1979; minimum, 64.22 ft (19.574 m) Nov. 7, 17, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1960 reached an elevation of 66.71 ft (20.333 m) Mar. 4, 5, 6, 1960; minimum, 63.56 ft (19.373 m) Aug. 10, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 66.33 ft (20.217 m) June 11; minimum, 64.55 ft (19.675 m) Oct. 17.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64.93	65.06	65.39	65.30	65.11	65.52	66.05	65.61	65.65	65.80	65.56	65.11
2	64.93	65.05	65.37	65.29	65.50	65.57	66.05	65.60	65.65	65.97	65.56	65.06
3	64.90	65.05	65.36	65.29	65.58	65.58	66.04	65.57	65.72	66.04	65.53	65.06
4	64.90	65.03	65.36	65.26	65.57	65.58	66.03	65.57	65.74	66.04	65.51	65.06
5	64.86	65.03	65.36	65.28	65.59	65.94	65.99	65.54	65.72	66.02	65.49	65.06
6	64.85	65.03	65.35	65.28	65.59	65.98	65.99	65.53	65.85	66.06	65.46	65.03
7	64.83	65.02	65.34	65.33	65.60	66.00	65.96	65.50	66.07	66.05	65.44	65.02
8	64.82	65.01	65.35	65.35	65.59	65.98	65.98	65.51	66.25	66.01	65.42	64.99
9	64.81	65.01	65.32	65.33	65.62	65.97	65.94	65.50	66.30	65.98	65.40	64.98
10	64.80	65.00	65.38	65.33	65.63	65.96	65.93	65.52	66.30	65.95	65.39	64.97
11	64.78	64.99	65.41	65.32	65.45	65.95	65.92	65.50	66.29	65.93	65.36	64.95
12	64.76	64.94	65.40	65.32	65.64	65.95	65.89	65.52	66.25	65.90	65.35	64.94
13	64.75	64.97	65.39	65.32	65.62	65.94	65.89	65.49	66.25	65.86	65.33	64.93
14	64.75	64.95	65.39	65.31	65.62	65.93	65.87	65.55	66.21	65.84	65.30	64.95
15	64.74	64.92	65.39	65.30	65.61	65.91	65.85	65.49	66.18	65.81	65.29	65.05
16	64.74	64.97	65.38	65.30	65.61	65.88	65.82	65.54	66.13	65.77	65.28	65.17
17	64.71	65.11	65.37	65.29	65.61	65.89	65.80	65.56	66.27	65.74	65.27	65.14
18	64.95	65.08	65.39	65.29	65.60	65.81	65.79	65.56	66.23	65.72	65.29	65.13
19	65.08	65.12	65.36	65.29	65.61	65.81	65.76	65.57	66.20	65.69	65.26	65.12
20	65.08	65.13	65.33	65.33	65.60	65.82	65.74	65.53	66.16	65.66	65.25	65.12
21	65.07	65.13	65.33	65.38	65.58	65.85	65.73	65.53	66.11	65.63	65.23	65.10
22	65.06	65.13	65.34	65.38	65.59	65.87	65.74	65.54	66.08	65.62	65.23	65.09
23	65.06	65.16	65.34	65.38	65.57	65.81	65.72	65.51	66.03	65.59	65.22	65.07
24	65.05	65.15	65.25	65.38	65.57	65.84	65.74	65.49	65.99	65.56	65.20	65.06
25	65.02	65.15	65.31	65.38	65.56	65.84	65.73	65.48	65.97	65.53	65.17	65.06
26	65.02	65.17	65.33	65.38	65.55	65.82	65.70	65.70	65.95	65.59	65.15	65.04
27	65.08	65.34	65.32	65.37	65.55	65.82	65.68	65.72	65.92	65.57	65.16	65.02
28	65.04	65.36	65.31	65.37	65.54	65.83	65.67	65.72	65.89	65.55	65.14	65.00
29	65.07	65.37	65.31	65.37	---	65.83	65.63	65.70	65.86	65.53	65.12	64.99
30	65.06	65.38	65.28	65.36	---	65.98	65.63	65.68	65.82	65.59	65.10	64.98
31	65.06	---	65.30	65.35	---	66.03	---	65.66	---	65.58	65.09	---
MEAN	64.92	65.10	65.35	65.33	65.57	65.85	65.84	65.56	66.03	65.78	65.31	65.04
MAX	65.08	65.38	65.41	65.38	65.64	66.03	66.05	65.72	66.30	66.06	65.56	65.17
MIN	64.71	64.92	65.25	65.26	65.11	65.52	65.63	65.48	65.65	65.53	65.09	64.93

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962-63, 1969, 1977, 1978 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV									
21...	1000	139	7.5	9.0	20	15	14.0	5.5	<5
JAN									
07...	0900	152	7.7	7.0	15	8.0	11.7	9.6	<1
APR									
24...	1100	160	7.9	24.5	15	15	10.4	--	K200
JUL									
22...	1315	164	8.8	39.0	15	10	18.8	9.0	--

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
NOV									
21...	400	78	6	21	6.3	3.4	4.9	72	1.5
JAN									
07...	K4	72	0	19	5.9	2.5	4.3	72	5.3
APR									
24...	4600	69	0	19	5.3	3.4	4.5	71	3.4
JUL									
22...	280	70	0	19	5.4	4.1	5.8	81	1.0

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
NOV								
21...	13	.2	4.6	102	98	.16	2.5	.11
JAN								
07...	1.8	.2	.6	100	83	.00	2.2	.06
APR								
24...	3.3	.1	7.8	106	90	.04	1.5	.21
JUL								
22...	3.7	.1	13	127	101	.10	3.2	.33

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
NOV											
21...	3	17	<1	1	10	0	5	31	30	15000	9

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV											
21...	130	10	680	.1	.07	20	90	17	.00	1	<.1

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV											
21...	<1	<.1	<1	<.01	<.1	<.1	59	<.01	89	.01	150

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
21...	<.01	8.0	<.01	<.1	<.01	.7	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV										
21...	<.01	<.1	<.1	<1	<.01	<.1	.02	.00	.00	.00

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML)
NOV	
21...	500000
JAN	
07...	87000
APR	
24...	4300000
JUL	
22...	230000

< Actual value is known to be less than the value shown.

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO JULY 1981

DATE	NOV 21,80	JAN 7,81	APR 24,81	JUL 22,81
TIME	1000	0900	1100	1315
TOTAL CELLS/ML	500000	87000	4300000	230000
DIVERSITY: DIVISION	1.1	1.5	0.0	0.6
.CLASS	1.1	1.5	0.0	0.6
..ORDER	1.5	1.9	0.1	1.5
...FAMILY	1.7	2.7	0.1	1.9
....GENUS	2.5	3.5	1.0	2.1

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	470	1	--	-	--	-
...MICRACTINIACEAE								
....GOLENKINIA	--	-	--	-	--	-	*	0
....MICRACTINIUM	--	-	3800	4	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	12000	2	4200	5	*	0	*	0
....CHODATELLA	*	0	4200	5	--	-	--	-
....DICTYOSPHAERIUM	6900	1	12000	14	*	0	--	-
....GLOEOACTINIUM	10000	2	--	-	--	-	--	-
....KIRCHNERIELLA	48000	10	--	-	--	-	--	-
....NEPHROCYTIUM	--	-	--	-	--	-	4000	2
....OOCYSTIS	*	0	1900	2	--	-	--	-
....SELENASTRUM	--	-	2800	3	*	0	15000	7
....TETRAEDRON	--	-	--	-	*	0	1300	1
....TREUBARIA	--	-	--	-	*	0	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	7500	9	--	-	--	-
....CRUCIGENIA	6900	1	--	-	*	0	5300	2
....SCENEDESMUS	34000	7	10000	12	*	0	2700	1
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	10000	2	4200	5	--	-	--	-
..ZYGNEMATALES								
...DESMIDIACEAE								
....COSMARIUM	--	-	--	-	--	-	1300	1
....STAURASTRUM	--	-	--	-	--	-	*	0
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	19000	4	2300	3	*	0	--	-
....MELOSIRA	6900	1	4700	5	*	0	--	-
..PENNALES								
...NAVICULACEAE								
....NAVICULA	--	-	--	-	*	0	--	-
...NITZSCHIACEAE								
....NITZSCHIA	3400	1	9900	11	*	0	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	55000	11	--	-	1800000#	41	--	-
....ANACYSTIS	270000#	53	17000#	20	2500000#	58	67000#	30
....COCCOCHLORIS	--	-	--	-	--	-	1800	1
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	22000	4	--	-	--	-	15000	6
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	*	0	110000#	49
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	470	1	--	-	--	-
....TRACHELOMONAS	--	-	470	1	--	-	*	0
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..PERIDINIALES								
...GLENODINIACEAE								
....GLENODINIUM	--	-	470	1	--	-	--	-

NOTE: # - DOMINANT ORGANISM: EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED: LESS THAN 1/2%

07369648 LAKE BRUIN AT LAKE BRUIN STATE PARK, NEAR ST. JOSEPH, LA

LOCATION.--Lat 31°57'40", long 91°12'10", in NW1/4SW1/4 sec.26, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, at State Park fishing pier, 3.5 mi (5.6 km) northeast of St. Joseph.

DRAINAGE AREA.--21.4 mi^2 (55.4 km^2).

PERIOD OF RECORD.--February 1959 to September 1964, November 1977 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed from an oxbow lake by Routh ditch control structure at U.S. Highway 65. The 60.7-ft (18.5-m) long weir has a crest elevation of 61.0 ft (18.6 m) which can be raised to 63.0 ft (19.2 m) by stop-logs. There are two 6-ft (1.8-m) wide metal lift gates with an invert elevation of 56.2 ft (17.1 m). Area of lake is 3,000 acres (12.1 km^2) at an elevation of 63.0 ft (19.2 m). Reservoir is used for recreation and public supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 65.06 ft (19.830 m) Apr. 14, 1980; minimum, 57.28 ft (17.459 m) Jan. 2, 3, 4, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 60.29 ft (18.376 m) Oct. 19; minimum, 58.64 ft (17.873 m) Sept. 30.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.26	60.15	60.01	---	---	59.59	59.97	59.63	59.74	60.01	59.76	59.08
2	60.25	60.13	60.01	---	---	59.64	59.97	59.60	59.74	60.08	59.72	59.06
3	60.21	60.12	59.98	---	---	59.64	59.94	59.58	59.74	60.14	59.70	59.06
4	60.18	60.07	59.96	---	59.66	59.77	59.95	59.54	59.78	60.12	59.69	59.07
5	60.14	60.10	59.97	---	59.64	60.00	---	59.55	59.77	60.12	59.65	59.08
6	60.12	60.06	59.96	---	59.68	60.02	---	59.57	59.89	60.09	59.63	59.04
7	60.07	60.04	59.95	---	59.68	60.01	---	59.53	60.04	60.08	59.61	59.02
8	60.04	60.03	59.94	---	59.66	60.01	---	59.51	60.10	60.09	59.61	58.99
9	60.04	60.03	60.02	---	59.65	60.00	---	59.50	60.09	60.07	59.58	58.97
10	60.02	60.01	60.01	---	59.73	59.98	---	59.52	60.09	60.06	59.56	58.93
11	60.01	60.01	59.96	---	59.75	59.97	---	59.53	60.10	60.06	59.54	58.91
12	59.98	59.99	59.93	---	59.72	59.96	---	59.51	60.06	60.02	59.51	58.90
13	59.95	59.96	59.92	---	59.71	59.96	---	59.48	60.05	60.00	59.48	58.87
14	59.92	59.94	59.98	---	59.69	59.96	---	59.57	60.06	59.98	59.47	58.89
15	59.91	59.94	60.00	---	59.68	59.94	59.80	59.51	60.03	59.96	59.45	58.93
16	59.90	59.91	59.99	---	59.69	59.94	59.78	59.50	60.02	59.94	59.42	58.96
17	59.86	60.04	59.97	---	59.66	59.93	59.77	59.57	60.21	59.92	59.42	58.94
18	60.06	60.01	59.97	---	59.67	59.89	59.75	59.54	60.22	59.89	59.43	58.91
19	60.24	59.97	59.97	---	59.65	59.88	59.73	59.60	60.23	59.87	59.40	58.86
20	60.26	59.96	59.96	---	59.65	59.85	59.74	59.57	60.21	59.85	59.37	58.84
21	60.24	59.94	59.96	---	59.64	59.83	59.70	59.54	60.18	59.83	59.32	58.81
22	60.22	59.94	59.95	---	59.64	59.85	59.66	59.52	60.18	59.80	59.31	58.79
23	60.20	59.95	59.93	---	59.64	59.89	59.70	59.51	60.15	59.79	59.28	58.77
24	60.21	59.94	59.92	---	59.63	59.86	59.71	59.50	60.14	59.77	59.24	58.76
25	60.18	59.94	59.91	---	59.62	59.85	59.71	59.45	60.13	59.74	59.24	58.73
26	60.15	60.02	59.94	---	59.61	59.84	59.68	59.73	60.09	59.77	59.20	58.72
27	60.12	60.07	60.00	---	59.61	59.83	59.68	59.80	60.10	59.74	59.18	58.70
28	60.27	60.05	---	---	59.61	59.81	59.65	59.78	60.08	59.71	59.17	58.69
29	60.22	60.04	---	---	---	59.80	59.65	59.78	60.06	59.70	59.15	58.68
30	60.19	60.03	---	---	---	59.94	59.64	59.76	60.03	59.80	59.11	58.64
31	60.16	---	---	---	---	59.97	---	59.75	---	59.77	59.09	---
MEAN	60.12	60.01	---	---	---	59.88	---	59.58	60.04	59.93	59.43	58.89
MAX	60.27	60.15	---	---	59.75	60.02	59.97	59.80	60.23	60.14	59.76	59.08
MIN	59.86	59.91	59.91	---	---	59.59	59.64	59.45	59.74	59.70	59.09	58.64

07369700 BAYOU MACON NEAR KILBOURNE, LA

LOCATION.--Lat 32°59'35", long 91°15'45", in SW1/4SE1/4 sec.8, T.23 N., R.12 E., East Carroll-West Carroll Parish line, Hydrologic Unit 08050002, near center of channel on downstream side of bridge on State Highway 585, 0.8 mi (1.3 km) south of Arkansas-Louisiana State line, and 3.0 mi (4.8 km) east of Kilbourne.

DRAINAGE AREA.--504 mi^2 or 1,305 km^2 (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage height and discharge below 200 ft^3/s or 5.66 m^3/s only). October 1973 to current year (daily gage heights and daily discharges below 200 ft^3/s or 5.66 m^3/s only).

GAGE.--Water-stage recorder. Datum of gage is 75.41 ft (22.985 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1965, at datum 2.00 ft (0.610 m) higher.

REMARKS.--Records fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined.

AVERAGE DISCHARGE.--11 years (water years 1958-68), 508 ft^3/s (14.39 m^3/s), 368,000 acre-ft/yr (454 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,740 ft^3/s (134 m^3/s) May 5, 1958; maximum gage height, 26.73 ft (8.147 m) Mar. 17, 1973; no flow June 11, 1963, result of pumping for irrigation.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.26 ft (4.042 m) Sept. 8; minimum daily discharge, 41 ft^3/s (1.16 m^3/s) Feb. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	182	---	116	---		---	90	106	---	105	155
2	---	174	---	116	---		---	65	94	---	102	---
3	---	171	---	116	---		---	61	127	183	100	---
4	---	171	---	116	115		---	60	142	---	128	---
5	---	169	---	115	72		---	60	156	---	157	---
6	---	166	---	119	57		---	63	---	---	141	---
7	---	166	---	104	50		---	61	---	---	134	---
8	---	168	---	68	48		---	64	---	---	159	---
9	---	167	---	54	53		---	76	---	---	147	---
10	---	166	---	50	---		---	121	178	---	132	---
11	---	162	---	51	---		---	138	157	---	119	---
12	---	158	---	50	127		---	125	141	---	112	---
13	---	157	---	48	88		---	111	135	---	100	---
14	---	157	---	47	78		---	119	124	163	87	---
15	---	158	---	47	70		---	107	119	128	88	---
16	---	159	174	47	65		197	---	113	111	109	---
17	---	---	130	46	60		196	---	107	96	185	---
18	---	---	122	46	57		195	---	116	88	157	---
19	---	---	123	45	51		195	---	119	89	150	---
20	---	---	118	51	47		196	---	119	91	138	---
21	---	---	115	71	46		186	---	111	91	127	---
22	---	---	115	60	45		175	---	105	104	116	---
23	---	---	116	52	44		174	---	102	117	105	---
24	---	---	117	48	43		182	---	103	113	97	---
25	---	---	116	46	42		133	---	118	100	110	---
26	157	---	114	46	42		127	---	118	111	115	---
27	---	---	115	46	41		123	164	102	117	123	---
28	---	---	115	45	---		121	134	93	111	129	---
29	---	---	116	44	---		125	117	82	110	133	---
30	---	---	116	45	---		124	122	104	126	132	190
31	---	---	115	44	---		---	113	---	116	125	---
TOTAL	---	---	---	1999	---		---	---	---	---	3862	---
MEAN	---	---	---	64.5	---		---	---	---	---	125	---
MAX	---	---	---	119	---		---	---	---	---	185	---
MIN	157	157	114	44	41		121	60	82	88	87	155

NOTE: No gage-height record Jan. 13-18, Feb. 21-27, Sept. 16-30.

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.33	2.91	4.99	2.44	5.69	5.00	6.63	1.84	2.07	2.43	2.02	2.56
2	5.70	2.83	5.02	2.43	6.09	5.25	6.78	1.54	1.94	3.19	1.99	3.03
3	7.83	2.80	5.56	2.42	3.34	4.90	6.86	1.48	2.30	2.86	1.97	3.83
4	9.44	2.80	5.77	2.42	2.33	7.63	6.80	1.47	2.47	3.24	2.27	6.97
5	9.59	2.78	5.74	2.40	1.85	8.26	6.69	1.47	2.61	4.25	2.58	10.17
6	9.12	2.75	5.67	2.44	1.65	6.36	6.54	1.51	4.74	5.05	2.42	12.09
7	8.64	2.76	5.60	2.27	1.55	5.77	4.82	1.49	8.77	6.60	2.34	12.95
8	8.25	2.77	5.54	1.86	1.52	6.00	3.48	1.53	5.36	7.20	2.60	13.23
9	6.97	2.76	5.60	1.66	1.59	5.90	3.37	1.68	3.48	6.78	2.48	13.08
10	6.36	2.75	5.52	1.61	3.34	5.64	3.34	2.17	2.81	5.86	2.32	12.54
11	6.22	2.71	5.38	1.60	3.65	5.40	3.26	2.37	2.60	4.82	2.17	11.45
12	6.12	2.67	5.31	1.59	2.46	5.20	3.27	2.22	2.44	3.97	2.10	10.00
13	6.03	2.66	5.22	---	2.03	5.12	3.23	2.07	2.38	3.30	1.96	8.27
14	5.94	2.66	5.13	---	1.91	5.07	3.16	2.16	2.25	2.64	1.82	6.92
15	5.81	2.67	5.01	---	1.82	5.02	3.06	2.02	2.20	2.27	1.83	6.71
16	4.52	2.68	3.67	---	1.75	5.00	2.96	2.76	2.13	2.08	2.07	---
17	3.77	3.33	2.66	---	1.70	4.95	2.95	8.12	2.06	1.92	2.86	---
18	4.24	3.51	2.58	---	1.65	4.94	2.94	6.44	2.17	1.84	2.58	---
19	3.55	4.23	2.58	1.47	1.56	4.84	2.94	11.05	2.20	1.85	2.51	---
20	3.42	4.83	2.52	1.56	1.51	4.77	2.95	8.39	2.19	1.87	2.38	---
21	3.41	4.84	2.48	1.84	---	4.75	2.85	5.19	2.10	1.86	2.27	---
22	3.40	4.84	2.48	1.69	---	4.76	2.74	3.80	2.04	2.01	2.14	---
23	3.39	4.83	2.48	1.58	---	4.68	2.73	3.26	2.01	2.15	2.02	---
24	3.39	4.79	2.49	1.52	---	4.64	2.81	3.36	2.01	2.11	1.93	---
25	3.07	4.75	2.47	1.49	---	4.61	2.31	3.16	2.19	1.96	2.08	---
26	2.66	4.96	2.45	1.49	---	4.58	2.24	3.13	2.18	2.09	2.14	---
27	4.10	6.20	2.45	1.49	---	4.55	2.21	2.69	2.00	2.15	2.22	---
28	8.02	5.46	2.45	1.46	3.32	4.51	2.18	2.38	1.91	2.08	2.29	---
29	4.67	5.13	2.45	1.46	---	4.83	2.23	2.19	1.79	2.07	2.33	---
30	3.42	5.01	2.45	1.47	---	5.43	2.21	2.25	2.03	2.25	2.32	---
31	3.07	---	2.43	1.45	---	5.91	---	2.15	---	2.15	2.24	---
MEAN	5.40	3.69	3.94	---	---	5.30	3.68	3.14	2.65	3.13	2.23	---
MAX	9.59	6.20	5.77	2.44	6.09	8.26	6.86	11.05	8.77	7.20	2.86	13.23
MIN	2.66	2.66	2.43	1.45	---	4.51	2.18	1.47	1.79	1.84	1.82	---

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958, 1966-72, 1976-77, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
OCT 29...	1115	352	252	6.4	15.0	50	200	7.7	3.8
JAN 06...	1200	118	347	7.1	7.0	20	35	11.2	2.7
APR 08...	1115	225	283	6.5	19.5	20	100	7.6	1.8
JUL 08...	1240	751	291	7.0	--	10	90	6.4	1.4

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)
OCT 29...	K2600	8000	86	19	22	7.5	12	5.6	67
JAN 06...	900	100	130	11	32	12	17	3.6	118
APR 08...	K24	K12	100	19	27	8.8	14	3.6	85
JUL 08...	K320	4800	100	20	27	8.9	15	3.8	84

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 29...	23	19	.2	9.1	156	138	1.3	.09	.38
JAN 06...	25	21	.2	11	199	193	--	--	--
APR 08...	26	16	.1	8.0	165	154	.91	1.1	.51
JUL 08...	24	23	.1	8.4	166	153	.94	1.5	.21

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 29...	2	7	<1	0	4	0	8	14	60	4300	3

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT 29...	10	30	170	.1	.04	8	25	14	.00	3	<.1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
29...	<1	<.1	<1	<.01	<.1	<.1	<1	.02	.9	<.01	.2

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
29...	.06	<.1	.01	<.1	.03	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
29...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
29...	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
29...	<.01	<.1	<.1	<1	<.01	<.1	.03	.00	.33	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
29...	364	346	95
JAN			
06...	115	37	94
APR			
08...	174	106	99
JUL			
08...	264	535	94

< Actual value is known to be less than the value shown.

07370000 BAYOU MACON NEAR DELHI, LA

LOCATION.--Lat 32°27'25", long 91°28'30", in NE1/4SE1/4 sec.18, T.17 N., R.10 E., Madison-Richland Parish line, Hydrologic Unit 08050002, near right bank on downstream side of bridge on U.S. Highway 80, 0.2 mi (0.3 km) upstream from Illinois Central Railroad bridge, and 1.0 mi (1.6 km) east of Delhi.

DRAINAGE AREA.--782 mi2 (2,025 km^2).

PERIOD OF RECORD.--October 1935 to current year. Monthly discharge only for some periods published in WSP 1311. Daily gage heights as follows: 1885-99 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; and since January 1932 in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-77-1: 1976.

GAGE.--Water-stage recorder. Datum of gage is 50.05 ft (15.255 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 14, 1949, nonrecording gage; Mar. 14, 1949, to Oct. 1, 1963, water-stage recorder; all gages within 2,000 ft (610 m) downstream at same datum. Auxiliary water-stage recorder 7.7 mi (12.4 km) downstream from base gage at datum 46.05 ft (14.036 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 9, 1972, auxiliary gages at different sites and datum. See WDR LA-76-1 for history of changes prior to Mar. 9, 1972.

REMARKS.--Records good. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--46 years, 983 ft^3/s (27.84 m^3/s), 712,200 acre-ft/yr (878 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,480 ft^3/s (268 m^3/s) Jan. 21, 1979; maximum gage height, 26.00 ft (7.925 m) May 6, 7, 1958; no flow May 25, 26, 28, June 1, 1963, result of temporary dam. Minimum not regulated, 30 ft^3/s (0.85 m^3/s).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1882 reached a stage of 37.5 ft (11.4 m), present site and datum, from records of National Weather Service (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,810 ft^3/s (79.6 m^3/s) Feb. 2; maximum gage height, 12.01 ft (3.66 m); minimum discharge, 53 ft^3/s (1.50 m^3/s) June 20, gage height, 6.98 ft (2.128 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	193	307	464	166	1530	202	794	108	146	74	99	157
2	228	263	446	165	2690	614	801	88	134	1200	86	195
3	366	245	428	163	1650	636	774	71	163	1160	79	225
4	742	236	465	170	640	1520	793	67	203	563	77	274
5	1100	227	520	163	308	2650	776	60	260	803	78	583
6	1180	220	527	172	246	1850	742	58	586	1170	95	1090
7	1160	215	531	184	205	1110	696	66	1270	885	168	1330
8	1110	213	518	175	173	750	538	69	1850	972	564	1470
9	1060	214	548	154	146	665	343	68	1160	877	518	1530
10	867	213	545	128	277	633	280	94	490	736	344	1540
11	694	211	531	112	665	588	265	124	246	565	250	1500
12	632	205	504	105	476	536	259	138	189	427	197	1390
13	607	202	492	98	281	510	255	133	537	305	147	1270
14	599	200	475	100	205	496	255	146	331	228	127	1100
15	459	204	460	101	171	479	244	162	204	165	121	877
16	452	207	451	100	159	481	217	188	138	136	126	754
17	453	358	346	97	149	454	226	474	113	112	124	752
18	487	639	232	95	141	473	228	971	90	93	156	659
19	442	462	205	95	134	455	210	1640	73	88	164	563
20	338	364	178	108	130	445	207	1930	56	86	147	579
21	287	411	167	122	118	437	207	1390	56	72	125	646
22	270	419	165	147	119	458	184	773	71	74	106	663
23	264	424	165	148	114	435	181	400	73	99	102	648
24	261	417	182	134	114	425	189	270	71	111	100	628
25	257	411	169	119	112	422	175	288	68	102	86	606
26	246	511	165	114	111	413	160	795	172	109	85	473
27	545	1110	167	111	108	413	133	696	202	125	87	357
28	1850	1020	166	106	107	405	115	349	168	135	100	324
29	1520	648	167	100	---	423	110	229	119	135	114	306
30	883	497	165	105	---	472	105	171	82	119	115	273
31	436	---	163	99	---	579	---	147	---	107	141	---
TOTAL	19988	11273	10707	3956	11279	20429	10462	12163	9321	11833	4828	22762
MEAN	645	376	345	128	403	659	349	392	311	382	156	759
MAX	1850	1110	548	184	2690	2650	801	1930	1850	1200	564	1540
MIN	193	200	163	95	107	202	105	58	56	72	77	157
AC-FT	39650	22360	21240	7850	22370	40520	20750	24130	18490	23470	9580	45150

CAL YR 1980 TOTAL 463450 MEAN 1266 MAX 8290 MIN 79 AC-FT 919300
WTR YR 1981 TOTAL 149001 MEAN 408 MAX 2690 MIN 56 AC-FT 295500

07370000 BAYOU MACON NEAR DELHI, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.14	8.36	8.78	8.03	10.09	8.05	9.10	7.69	7.79	7.23	7.48	7.96
2	8.26	8.26	8.75	8.03	11.79	8.93	9.11	7.56	7.73	9.66	7.38	8.12
3	8.60	8.20	8.72	8.02	10.35	8.97	9.08	7.40	7.87	9.54	7.31	8.22
4	9.14	8.18	8.78	8.05	8.95	10.20	9.10	7.37	8.04	8.74	7.29	8.37
5	9.54	8.15	8.87	8.02	8.43	11.78	9.08	7.30	8.21	9.06	7.30	8.90
6	9.67	8.13	8.88	8.06	8.26	10.65	9.04	7.27	8.82	9.53	7.45	9.52
7	9.63	8.12	8.89	8.11	8.12	9.50	9.00	7.36	9.77	9.12	7.81	9.91
8	9.55	8.12	8.87	8.07	8.00	9.05	8.78	7.39	10.66	9.22	8.75	10.12
9	9.48	8.12	8.91	7.97	7.87	8.96	8.45	7.38	9.55	9.11	8.68	10.20
10	9.27	8.13	8.91	7.84	8.26	8.92	8.32	7.62	8.63	8.96	8.39	10.21
11	9.10	8.12	8.89	7.75	9.01	8.86	8.27	7.82	8.14	8.75	8.17	10.14
12	9.03	8.11	8.84	7.70	8.74	8.78	8.25	7.89	7.94	8.54	7.99	9.96
13	9.00	8.10	8.83	7.65	8.36	8.74	8.24	7.87	8.71	8.30	7.78	9.73
14	8.98	8.11	8.80	7.67	8.12	8.72	8.24	7.93	8.35	8.08	7.69	9.41
15	8.76	8.12	8.78	7.67	8.00	8.70	8.20	8.01	8.00	7.84	7.68	9.13
16	8.76	8.14	8.76	7.67	7.94	8.70	8.11	8.11	7.71	7.70	7.71	8.99
17	8.76	8.50	8.57	7.65	7.89	8.65	8.14	8.77	7.57	7.56	7.70	8.99
18	8.82	9.00	8.27	7.63	7.85	8.69	8.15	9.37	7.41	7.44	7.87	8.89
19	8.74	8.73	8.18	7.63	7.81	8.66	8.09	10.36	7.25	7.40	7.92	8.76
20	8.56	8.58	8.09	7.72	7.79	8.64	8.09	10.77	7.04	7.38	7.84	8.78
21	8.44	8.66	8.03	7.81	7.73	8.63	8.09	9.96	7.04	7.24	7.73	8.87
22	8.40	8.69	8.02	7.94	7.73	8.66	8.01	9.04	7.23	7.26	7.63	8.89
23	8.38	8.70	8.02	7.94	7.70	8.62	8.01	8.53	7.25	7.48	7.61	8.87
24	8.37	8.69	8.10	7.87	7.70	8.61	8.05	8.25	7.23	7.56	7.60	8.84
25	8.36	8.68	8.04	7.79	7.68	8.60	8.00	8.30	7.20	7.50	7.51	8.81
26	8.32	8.84	8.03	7.76	7.68	8.59	7.93	9.06	7.86	7.55	7.50	8.61
27	8.75	9.56	8.04	7.74	7.66	8.59	7.80	8.95	7.99	7.64	7.53	8.40
28	10.67	9.44	8.03	7.70	7.65	8.57	7.72	8.43	7.86	7.69	7.64	8.34
29	10.18	9.04	8.04	7.67	---	8.60	7.70	8.12	7.61	7.70	7.73	8.30
30	9.19	8.83	8.02	7.70	---	8.68	7.65	7.91	7.34	7.61	7.73	8.21
31	8.60	---	8.02	7.66	---	8.84	---	7.79	---	7.54	7.88	---
MEAN	8.95	8.48	8.48	7.82	8.33	8.94	8.33	8.24	7.99	8.13	7.75	9.02
MAX	10.67	9.56	8.91	8.11	11.79	11.78	9.11	10.77	10.66	9.66	8.75	10.21
MIN	8.14	8.10	8.02	7.63	7.65	8.05	7.65	7.27	7.04	7.23	7.29	7.96

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

LOCATION.--Lat 32°12'25", long 92°48'05", in NW1/4SW1/4 sec. 8, T. 14 N., R.4 W., Bienville-Jackson Parish line, Hydrologic Unit 08040303, on left bank just upstream from bridge on State Highway 4, 200 ft (61 m) downstream from Brush Creek, 1.5 mi (2.4 km) downstream from McDonald Creek, and 5.4 mi (8.7 km) west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi^2 (919 km^2).

PERIOD OF RECORD.--October 1938 to September 1957, October 1977 to current year. November 1957 to September 1977 (annual maximum, daily gage heights, and miscellaneous discharge measurements only).

REVISED RECORDS.--WRD LA-1971: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 116.53 ft (35.518 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 29, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi (11 km) above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--23 years (water years 1939-57, 1978-81), 411 ft^3/s (11.64 m^3/s), 297,800 acre-ft/yr (367 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,600 ft^3/s (867 m^3/s) Jan. 1, 1945, gage height, 19.87 ft (6.056 m); minimum gage height, 2.67 ft (0.814 m) Sept. 26, 1955. Minimum discharge observed, 0.4 ft^3/s (0.011 m^3/s) Aug. 31, 1954 (discharge measurement), but may have been less in September 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 876 ft^3/s (24.8 m^3/s) June 11, gage height, 10.79 ft (3.289 m); no peak above base of 3,000 ft^3/s (85 m^3/s); minimum, 12 ft^3/s (0.34 m^3/s) Dec. 28, 29, July 9, minimum gage height, 3.27 ft (0.997 m) July 9, regulated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	54	32	18	25	42	367	44	52	22	14	26
2	22	36	31	19	27	72	394	44	44	21	14	30
3	21	30	27	16	26	132	317	49	45	20	14	54
4	20	27	25	16	24	290	220	52	68	20	15	132
5	19	25	22	18	31	403	154	54	221	19	17	97
6	20	23	22	20	37	490	123	52	408	18	17	57
7	20	22	21	27	37	511	118	52	556	16	16	41
8	20	20	21	31	34	501	110	77	674	14	15	31
9	21	20	21	35	38	390	92	74	734	13	15	25
10	20	21	22	47	50	249	76	92	825	16	15	21
11	19	21	22	42	81	165	67	146	841	17	15	18
12	18	20	20	34	92	125	62	215	600	20	16	16
13	18	19	20	30	146	102	58	304	315	21	17	15
14	18	19	22	28	140	88	51	215	178	20	17	16
15	18	19	22	26	92	79	45	134	154	20	16	17
16	18	22	21	25	67	73	39	97	129	19	16	18
17	23	30	20	24	58	68	36	113	82	19	15	17
18	28	39	20	24	54	64	36	176	58	19	17	17
19	29	32	19	23	51	61	39	366	45	19	20	15
20	26	39	19	26	52	57	41	386	39	18	18	16
21	24	47	18	29	51	55	45	247	35	18	17	16
22	21	37	17	29	49	56	52	156	32	17	17	16
23	20	30	17	31	45	57	52	103	29	16	17	16
24	20	26	18	40	41	59	59	72	27	14	19	17
25	20	25	19	39	39	74	53	58	26	14	22	18
26	20	24	16	34	42	72	103	51	25	15	22	17
27	23	26	13	30	43	63	115	45	24	17	22	18
28	34	28	12	28	41	57	78	62	22	17	20	18
29	36	26	12	26	---	54	57	109	22	18	19	17
30	62	26	15	25	---	81	46	87	22	16	21	17
31	90	---	17	25	---	198	---	62	---	15	26	---
TOTAL	790	833	623	865	1513	4788	3105	3794	6332	548	541	849
MEAN	25.5	27.8	20.1	27.9	54.0	154	104	122	211	17.7	17.5	28.3
MAX	90	54	32	47	146	511	394	386	841	22	26	132
MIN	18	19	12	16	24	42	36	44	22	13	14	15
AC-FT	1570	1650	1240	1720	3000	9500	6160	7530	12560	1090	1070	1680

CAL YR 1980 TOTAL 140605.6 MEAN 384 MAX 6620 MIN 9.2 AC-FT 278900
WTR YR 1981 TOTAL 24581.0 MEAN 67.3 MAX 841 MIN 12 AC-FT 48760

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.69	4.68	4.37	3.77	4.02	4.41	8.71	4.44	4.72	3.78	3.38	3.89
2	3.68	4.18	4.34	3.77	4.10	5.09	8.92	4.43	4.51	3.73	3.37	4.07
3	3.66	3.96	4.24	3.67	4.06	6.07	8.30	4.55	4.54	3.72	3.38	4.70
4	3.58	3.85	4.14	3.65	3.99	8.00	7.26	4.62	5.08	3.68	3.46	6.18
5	3.53	3.80	4.04	3.73	4.24	8.99	6.40	4.68	7.23	3.67	3.55	5.70
6	3.57	3.73	4.00	3.81	4.47	9.50	5.96	4.63	9.00	3.61	3.54	4.98
7	3.60	3.69	---	4.13	4.47	9.60	5.89	4.63	9.78	3.53	3.49	4.57
8	3.60	3.57	---	4.31	4.38	9.55	---	5.18	10.21	3.37	3.44	4.25
9	3.62	3.61	3.98	4.42	4.50	8.87	5.44	5.12	10.41	3.29	3.44	4.02
10	3.59	3.68	4.02	4.80	4.83	7.59	5.16	5.44	10.66	3.49	3.42	3.83
11	3.53	3.66	4.00	4.64	5.46	6.55	4.97	6.28	10.70	3.58	3.43	3.66
12	3.50	3.63	3.92	4.39	5.59	5.99	4.88	7.17	9.92	3.70	3.48	3.58
13	3.48	3.63	3.90	4.23	6.35	5.61	4.78	8.18	8.24	3.77	3.50	3.55
14	3.49	3.62	3.99	4.14	6.27	5.38	4.61	7.19	6.74	3.74	3.49	3.57
15	3.50	3.64	3.99	4.09	5.58	5.23	4.45	6.11	6.43	3.70	3.47	3.62
16	3.52	3.80	3.95	4.05	5.13	5.11	4.28	5.54	6.09	3.68	3.44	3.70
17	3.74	4.12	3.91	4.02	4.93	5.01	4.17	5.79	5.37	3.67	3.42	3.64
18	3.93	4.47	3.89	3.98	4.81	4.91	4.18	6.69	4.89	3.67	3.51	3.60
19	3.97	4.24	3.84	3.96	4.74	4.85	4.28	8.68	4.60	3.67	3.62	3.55
20	3.89	4.47	3.83	4.06	4.75	4.74	4.32	8.85	4.41	3.64	3.53	3.56
21	3.77	4.72	3.77	4.18	4.72	4.70	4.43	7.57	4.28	3.62	3.48	3.59
22	3.63	4.45	3.70	4.20	4.64	4.72	4.63	6.45	4.19	3.59	3.48	3.60
23	3.59	4.22	3.72	4.26	4.55	4.75	4.63	5.66	4.07	3.53	3.47	3.59
24	3.60	4.06	3.77	4.57	4.42	4.80	4.81	5.16	4.01	3.42	3.58	3.62
25	3.60	4.03	3.80	4.52	4.36	5.12	4.66	4.85	3.96	3.38	3.71	3.65
26	3.62	4.03	3.64	4.36	4.45	5.07	5.62	4.65	3.92	3.48	3.72	3.63
27	3.73	4.10	3.44	4.24	4.46	4.91	5.82	4.53	3.85	3.54	3.72	3.66
28	4.16	4.19	3.38	4.16	4.38	4.74	5.19	4.93	3.81	3.57	3.62	3.67
29	4.22	4.11	3.41	4.08	---	4.67	4.74	5.78	3.77	3.60	3.59	3.64
30	4.86	4.15	3.60	4.05	---	5.24	4.47	5.43	3.79	3.53	3.68	3.63
31	5.41	---	3.71	4.02	---	6.93	---	4.96	---	3.43	3.89	---
MEAN	3.77	4.00	---	4.14	4.74	6.02	---	5.75	6.11	3.59	3.53	3.95
MAX	5.41	4.72	4.37	4.80	6.35	9.60	8.92	8.85	10.70	3.78	3.89	6.18
MIN	3.48	3.57	3.38	3.65	3.99	4.41	4.17	4.43	3.77	3.29	3.37	3.55

07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA

LOCATION.--Lat 32°13'50", long 92°55'11", in NW1/4 sec. 6, T. 14 N., R.5 W., Bienville Parish, Hydrologic Unit 08040303, near left bank on upstream side of culvert on State Highway 155, 0.4 mi (0.6 km) southwest of intersection with State Highway 4, and 5.0 mi (8.0 km) west of Danville.

DRAINAGE AREA.--Approximately 1.5 mi^2 (3.9 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1977 to September 1981 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 190 ft (58 m). Auxiliary water-stage recorder 60 ft (18 m) downstream from base gage at same datum.

REMARKS.--Records poor. Records of dissolved oxygen and water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 306 ft^3/s (8.67 m^3/s) May 7, 1978, gage height, 8.36 ft (2.548 m); no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14 ft^3/s (0.40 m^3/s) June 5, gage height, 5.13 ft (1.564 m); no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.04	.10	.00	.02	.16	.00	.00	.00	.00	.00
2	.00	.00	.03	.10	.00	.03	.06	.00	.00	.00	.00	.00
3	.00	.00	.02	.10	.00	.05	.14	.00	.00	.00	.00	.01
4	.00	.00	.01	.10	.00	.06	.00	.00	.12	.00	.00	.05
5	.00	.00	.01	.10	.00	.19	.00	.00	4.1	.00	.00	.04
6	.00	.00	.02	.11	.00	.10	.00	.00	7.0	.00	.00	.03
7	.00	.00	.02	.41	.00	.00	.00	.00	5.0	.00	.00	.03
8	.00	.00	.02	.10	.00	.00	.00	.00	1.5	.00	.00	.03
9	.00	.00	.05	.07	.00	.00	.00	.41	.50	.00	.00	.02
10	.00	.00	.05	.05	.00	.00	.00	1.7	.30	.00	.00	.02
11	.00	.00	.05	.05	.00	.00	.00	.02	.20	.00	.00	.02
12	.00	.00	.05	.05	.00	.00	.00	.00	.10	.00	.00	.02
13	.00	.00	.05	.02	.00	.00	.00	.00	.06	.00	.00	.02
14	.00	.00	.05	.02	.00	.00	.00	.00	.06	.00	.00	.02
15	.00	.00	.05	.02	.00	.00	.00	.00	.03	.00	.00	.02
16	.00	.00	.05	.02	.00	.00	.00	.22	.00	.00	.00	.02
17	.00	.04	.05	.02	.00	.00	.00	.40	.00	.00	.00	.02
18	.00	.00	.05	.02	.00	.00	.00	.00	.00	.00	.00	.02
19	.00	.00	.05	.02	.00	.00	.00	.95	.00	.00	.00	.02
20	.00	.00	.05	.02	.00	.00	.00	.06	.00	.00	.00	.02
21	.00	.00	.05	.07	.00	.00	.00	.00	.00	.00	.00	.02
22	.00	.00	.06	.04	.00	.00	.00	.00	.00	.00	.00	.02
23	.00	.00	.15	.03	.00	.00	.00	.00	.00	.00	.00	.02
24	.00	.00	.11	.02	.00	.00	.00	.00	.00	.00	.00	.02
25	.00	.00	.10	.01	.00	.00	.00	.00	.00	.00	.00	.02
26	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.02
27	.02	.01	.10	.00	.00	.00	.00	.00	.00	.00	.00	.02
28	.00	.01	.10	.00	.00	.00	.00	.00	.00	.00	.00	.02
29	.00	.02	.10	.00	---	.00	.00	.00	.00	.00	.00	.02
30	.00	.03	.10	.00	---	.00	.00	.00	.00	.00	.00	.02
31	.00	---	.10	.00	---	.46	---	.00	---	.00	.00	---
TOTAL	.02	.11	1.84	1.67	.00	.91	.36	3.76	18.97	.00	.00	.63
MEAN	.001	.004	.059	.054	.000	.029	.012	.12	.63	.000	.000	.021
MAX	.02	.04	.15	.41	.00	.46	.16	1.7	7.0	.00	.00	.05
MIN	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.04	.2	3.6	3.3	.00	1.8	.7	7.5	38	.00	.00	1.2

```
CAL YR 1980   TOTAL 475.33   MEAN 1.30   MAX 92    MIN  .00   AC-FT  943
WTR YR 1981   TOTAL  28.27   MEAN  .077  MAX  7.0  MIN  .00   AC-FT   56
```

07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.39	4.56	---	4.62	4.61	4.59	4.61	4.53	4.52	---	4.41	4.40
2	4.39	4.56	---	4.62	4.61	4.59	4.59	4.53	4.53	---	4.41	4.40
3	4.39	4.56	---	4.62	4.61	4.60	4.61	4.52	4.55	---	4.41	---
4	4.39	4.56	4.59	4.62	4.61	4.60	4.56	4.53	4.61	---	4.41	---
5	4.39	4.56	4.60	4.62	4.61	4.62	4.56	4.54	4.77	---	4.41	---
6	4.39	4.56	4.60	4.62	4.61	4.61	4.57	4.53	---	---	4.40	---
7	4.39	4.56	4.60	4.64	4.61	4.56	4.57	4.53	---	---	4.40	---
8	4.39	4.56	4.60	4.61	4.61	4.55	4.55	4.53	---	---	4.40	---
9	4.39	4.56	4.61	4.60	4.61	4.53	4.55	4.57	---	---	4.40	---
10	4.39	4.56	4.61	4.60	4.61	4.53	4.55	4.71	---	---	4.40	---
11	4.39	4.56	4.61	4.60	4.60	4.53	4.55	4.58	---	---	4.40	---
12	4.39	4.56	4.61	4.60	4.60	4.53	4.55	4.54	---	---	4.40	---
13	4.39	4.56	4.61	4.59	4.60	4.53	4.55	4.53	---	---	4.40	---
14	4.39	4.56	4.61	4.59	4.59	4.53	4.55	4.57	---	---	4.40	---
15	4.39	4.56	4.61	4.59	4.59	4.53	4.55	4.57	---	---	4.40	---
16	4.39	4.57	4.61	4.59	4.59	4.53	4.53	4.60	---	---	4.40	---
17	4.42	4.59	4.61	4.59	4.59	4.53	4.54	4.64	---	---	4.40	---
18	4.54	4.58	4.61	4.59	4.59	4.53	4.54	4.58	---	---	4.40	---
19	4.54	4.58	4.61	4.59	4.59	4.53	4.53	4.67	---	---	4.40	---
20	4.51	4.57	4.61	4.59	4.59	4.53	4.52	4.59	---	---	4.40	---
21	4.47	4.57	4.61	4.59	4.59	4.53	4.53	4.56	---	4.41	4.40	---
22	4.44	4.57	4.61	4.60	4.59	4.54	4.53	4.54	---	4.41	4.40	4.59
23	4.43	4.57	4.63	4.60	4.59	4.54	4.54	4.54	---	4.41	4.40	4.59
24	4.42	4.46	4.62	4.60	4.59	4.54	4.53	4.54	---	4.41	4.40	4.59
25	4.41	4.38	4.62	4.60	4.59	4.54	4.53	4.53	---	4.41	4.40	4.59
26	4.41	4.40	4.62	4.60	4.59	4.54	4.52	4.53	---	4.41	4.39	4.59
27	4.50	---	4.62	4.60	4.59	4.54	4.52	4.53	---	4.41	4.40	4.59
28	4.56	---	4.62	4.60	4.59	4.54	4.51	4.53	---	4.41	4.40	4.59
29	4.56	---	4.62	4.60	---	4.54	4.51	4.53	---	4.41	4.40	4.59
30	4.56	---	4.62	4.61	---	4.55	4.52	4.52	---	4.41	4.40	4.59
31	4.56	---	4.62	4.61	---	4.63	---	4.52	---	4.41	4.40	---
MEAN	4.44	---	---	4.60	4.60	4.55	4.55	4.56	---	---	4.40	---
MAX	4.56	---	---	4.64	4.61	4.63	4.61	4.71	---	---	4.41	---
MIN	4.39	---	---	4.59	4.59	4.53	4.51	4.52	---	---	4.39	---

07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
DEC 22...	1230	5.0	150	6.3	5.0	100	40	27	13	1.8
MAR 19...	1100	--	320	6.5	11.0	150	30	10	11	.6

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
DEC 22...	9.7	1.0	13	35	7.0	.2	22	135	105
MAR 19...	50	2.0	20	23	66	.1	11	202	179

DATE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
DEC 22...	4800	1000
MAR 19...	1500	600

07372000 DUGDEMONA RIVER NEAR WINNFIELD, LA

LOCATION.--Lat 31°58'30", long 93°39'10", on line between secs. 34 and 35, T.12 N., R.3 W., Winn Parish, Hydrologic Unit 08040303, on right bank just downstream from bridge on U.S. Highway 167, 300 ft (91 m) upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 2.4 mi (3.9 km) downstream from Kyiaies Creek, and 3.5 mi (5.6 km) north of Winnfield.

DRAINAGE AREA.--654 mi^2 (1,694 km^2).

PERIOD OF RECORD.--April 1939 to September 1977. October 1977 September 1981 (annual maximum and gage heights only) discontinued.

REVISED RECORDS.--WSP 1341: Drainage area. WSP 1391: 1939-41.

GAGE.--Water-stage recorder. Datum of gage is 81.14 ft (24.731 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 19, 1950, nonrecording gage at same site and datum.

REMARKS.--Water used by paper mill at Hodge is pumped from wells and discharged into stream about 30 mi (48 km) above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it.

AVERAGE DISCHARGE.--38 years (water years 1940-77), 714 ft^3/s (20.22 m^3/s), 517,300 acre-ft/yr (638 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,100 ft^3/s (767 m^3/s) May 19, 1953, gage height, 23.78 ft (7.248 m); no flow at times in 1947, 1954, 1956-57, result of temporary regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 718 ft^3/s (20.3 m^3/s) June 10, gage height, 9.75 ft (2.972 m); minimum gage height, 1.97 ft (0.600 m) Aug. 7, 8.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.72	2.90	3.12	2.76	3.07	2.98	3.61	3.41	3.51	2.29	2.11	2.21
2	2.72	3.09	3.14	2.73	3.18	3.27	4.44	3.09	3.57	2.24	2.11	2.25
3	2.71	3.28	3.09	2.70	3.18	3.64	5.68	2.83	3.66	2.25	2.09	2.30
4	2.68	3.18	3.11	2.70	3.19	4.29	6.60	2.67	4.01	2.24	2.06	2.37
5	2.72	2.92	3.20	2.74	3.19	9.01	7.08	2.84	5.48	2.24	2.03	2.47
6	2.73	2.73	3.19	2.82	3.26	9.34	7.14	2.94	8.18	2.30	2.00	2.93
7	2.74	2.67	3.13	2.93	3.24	8.95	6.65	3.02	8.86	2.29	1.97	3.77
8	2.73	2.64	3.06	2.95	3.28	8.62	5.54	3.01	9.27	2.27	1.97	3.90
9	2.71	2.62	3.10	3.08	3.37	8.24	4.69	2.99	9.57	2.25	2.02	3.42
10	2.70	2.65	3.15	3.25	3.43	8.07	4.30	3.01	9.75	2.22	2.04	2.98
11	2.71	2.67	3.23	3.31	4.23	8.03	4.07	3.25	9.56	2.17	2.05	2.68
12	2.71	2.65	3.17	3.34	4.83	7.99	3.78	3.50	9.25	2.18	2.03	2.51
13	2.73	2.61	3.10	3.42	4.52	7.69	3.50	3.90	9.21	2.07	2.01	2.38
14	2.72	2.64	3.06	3.38	4.47	6.50	3.28	4.70	9.26	2.03	1.99	2.32
15	2.72	2.75	3.04	3.28	4.32	5.05	3.15	5.49	9.35	2.06	2.00	2.25
16	2.72	2.92	3.04	3.17	4.44	4.30	3.04	6.01	9.12	2.13	2.01	2.22
17	2.74	3.15	3.02	3.09	4.47	3.90	2.91	6.01	8.04	2.19	2.03	2.19
18	2.81	3.26	3.01	3.03	4.20	3.68	2.79	5.42	5.64	2.21	2.05	2.18
19	2.84	3.35	3.00	2.99	3.85	3.53	2.69	4.78	4.42	2.20	2.05	2.19
20	2.87	3.50	2.99	3.02	3.60	3.45	2.62	5.21	3.75	2.18	2.04	2.22
21	2.88	3.34	2.96	3.05	3.45	3.34	2.65	5.80	3.28	2.17	2.04	2.23
22	2.89	3.34	2.93	3.09	3.37	3.33	2.74	6.86	2.98	2.16	2.04	2.21
23	2.90	3.33	2.90	3.15	3.31	3.30	2.79	7.22	2.77	2.15	2.09	2.18
24	2.90	3.48	2.89	3.19	3.25	3.28	2.84	7.02	2.67	2.14	2.12	2.17
25	2.93	3.43	2.86	3.23	3.19	3.30	2.87	5.86	2.59	2.12	2.13	2.17
26	2.89	3.32	2.83	3.23	3.12	3.29	2.86	4.60	2.52	2.20	2.10	2.17
27	2.88	3.28	2.80	3.29	3.05	3.29	2.90	3.89	2.47	2.13	2.09	2.18
28	3.23	3.19	2.80	3.28	2.99	3.37	2.88	3.44	2.42	2.11	2.12	2.20
29	3.13	3.11	2.81	3.21	---	3.40	3.30	3.20	2.37	2.05	2.21	2.21
30	2.89	3.10	2.79	3.14	---	3.40	3.57	3.02	2.33	2.06	2.25	2.21
31	2.79	---	2.78	3.07	---	3.40	---	3.06	---	2.11	2.24	---
MEAN	2.81	3.04	3.01	3.08	3.61	5.07	3.90	4.26	5.66	2.17	2.07	2.46
MAX	3.23	3.50	3.23	3.42	4.83	9.34	7.14	7.22	9.75	2.30	2.25	3.90
MIN	2.68	2.61	2.78	2.70	2.99	2.98	2.62	2.67	2.33	2.03	1.97	2.17

07372190 LITTLE RIVER AT ROCHELLE, LA

LOCATION.--Lat 31°47'35", long 92°21'42", in NW1/4NW1/4 sec. 3, T.9 N., R.1 E. (revised), Grant - La Salle Parish line, Hydrologic Unit 08040304, near center of channel on downstream side of bridge on U.S. Highway 165, at Rochelle, 0.2 mi (0.3 km) downstream from confluence of Castor Creek and Dugdemona River, and 5.3 mi (8.5 km) upstream from gaging station Little River near Rochelle (station 07372200).

DRAINAGE AREA.--1,892 mi^2 (4,900 km^2).

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Gage heights October 1938 to November 1946, February 1948 to September 1957 in files of Corps of Engineers. Unpublished records from October 1957 to September 1973 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft (7.556 m) National Geodetic Vertical Datum of 1929. Prior to May 9, 1960, nonrecording gage 0.1 mi (0.2 km) upstream at same datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.43 ft (13.237 m) Apr. 14, 1974; minimum, 6.64 ft (2.024 m) Sept. 25, 26, 27, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1938, 50.90 ft (15.514 m) May 19, 1953, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 26.84 ft (8.181 m) Mar. 7, from floodmarks; minimum, 6.46 ft (1.969 m) Sept. 28, from graph based on gage readings.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.93	9.08	8.60	7.32	22.15	---	14.45	9.57	9.98	9.83	6.86	7.25
2	6.83	8.55	8.47	7.26	22.42	10.79	13.99	---	10.33	9.52	---	7.28
3	6.75	8.59	8.37	7.37	22.01	12.38	13.39	---	15.06	9.27	7.15	7.43
4	6.73	8.64	8.33	7.36	21.06	16.81	---	9.71	15.64	---	7.19	7.69
5	6.76	8.67	8.30	7.26	18.22	23.96	---	9.98	16.59	---	7.13	---
6	6.78	8.66	8.21	7.37	16.64	26.10	13.06	11.02	---	9.18	7.02	---
7	6.77	8.43	---	7.42	15.05	26.77	13.23	12.28	---	9.85	7.02	7.28
8	6.76	8.10	---	7.48	13.89	---	13.03	12.69	24.77	9.50	---	7.38
9	6.75	7.83	---	7.67	12.56	25.95	12.64	---	25.10	8.92	---	7.98
10	6.74	7.59	---	7.74	11.84	24.92	11.97	---	25.34	8.40	7.29	9.25
11	6.76	7.44	---	7.87	12.43	23.39	---	11.86	25.13	---	7.10	9.32
12	6.78	7.31	---	8.35	13.63	21.25	---	11.69	24.48	---	6.93	---
13	6.76	7.22	---	8.91	14.75	18.75	10.61	11.14	---	7.79	6.77	---
14	6.75	7.17	---	9.06	---	---	10.25	10.93	---	7.55	6.63	7.85
15	6.74	7.32	---	8.93	---	---	10.08	11.24	20.01	7.45	---	7.57
16	6.73	7.47	---	8.72	12.97	14.23	9.94	---	18.44	7.50	---	7.45
17	6.73	8.23	8.49	8.56	12.48	13.34	9.79	---	17.58	7.35	6.86	7.32
18	6.90	8.84	8.48	8.40	12.13	12.47	---	12.29	16.72	---	7.42	7.17
19	6.98	8.54	8.30	8.22	11.59	11.24	---	12.48	15.39	---	7.36	---
20	7.20	8.24	8.15	8.30	---	10.69	9.55	12.72	---	7.25	6.98	---
21	7.20	8.23	8.00	8.62	---	---	9.52	12.58	---	7.20	6.83	6.92
22	7.07	8.21	7.87	8.67	---	---	9.47	12.83	12.68	7.20	---	6.83
23	6.96	8.44	7.73	8.53	10.66	10.38	9.48	---	12.27	7.18	---	6.83
24	6.91	8.60	7.42	8.39	10.52	10.49	9.50	---	12.08	7.15	6.83	6.98
25	6.91	8.60	7.40	---	10.44	10.64	---	13.37	11.96	---	6.75	6.82
26	6.95	8.71	7.55	8.78	10.36	10.59	---	13.10	11.65	---	6.80	---
27	7.01	9.12	7.45	9.93	10.28	10.37	9.47	12.57	---	7.10	6.77	---
28	7.34	9.25	7.34	8.85	---	---	9.46	11.42	---	7.25	6.83	6.55
29	9.05	9.03	7.33	8.72	---	---	9.52	10.65	10.52	7.47	---	6.86
30	10.32	8.82	7.40	8.72	---	12.65	9.55	---	10.18	7.52	---	6.81
31	9.87	---	7.37	13.44	---	13.73	---	---	---	7.64	6.96	---
MEAN	7.15	8.30	---	---	---	---	---	---	---	---	---	---
MAX	10.32	9.25	8.60	13.44	22.42	26.77	14.45	13.37	25.34	9.50	7.42	9.32
MIN	6.73	7.17	---	7.26	---	---	9.46	9.57	9.98	7.10	---	6.55

07372200 LITTLE RIVER NEAR ROCHELLE, LA

LOCATION.--Lat 31°45'15", long 92°20'40", in SW1/4SW1/4 sec.14, T.9 N., R.1 E., Grant - La Salle Parish line, Hydrologic Unit 08040304, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft (213 m) upstream from Louisiana Midland Railway Co. bridge, 1.1 mi (1.8 km) northeast of Zenoria, and 3.0 mi (4.8 km) southeast of Rochelle.

DRAINAGE AREA.--1,899 mi^2 (4,918 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WRD LA-1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft (7.556 m) National Geodetic Vertical Datum of 1929. Water-stage recorder for station Little River at Rochelle (station 07372190) used as auxiliary gage for this station since May 9, 1960. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 mi (8.2 km) upstream from base gage at same datum.

REMARKS.--Records good. Natural flow is supplemented by effluent from operation of several oil fields upstream from station. Records of dissolved oxygen and water temperatures for water 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years, 2,010 ft^3/s (56.92 m^3/s), 14.37 in/yr (365 mm/yr), 1,456,000 acre-ft/yr (1.80 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,800 ft^3/s (1,550 m^3/s) Apr. 14, 1974, gage height, 40.20 ft (12.253 m); minimum discharge, 9.6 ft^3/s (0.27 m^3/s) Sept. 26, 27, 1980, gage height, 4.87 ft (1.484 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,030 ft^3/s (114 m^3/s) Mar. 7, gage height, 23.59 ft (7.190 m); minimum, 11 ft^3/s (0.31 m^3/s) Oct. 15, 16; minimum gage height, 4.89 ft (1.490 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	189	98	48	900	225	866	137	189	120	52	32
2	20	139	90	46	2630	334	764	140	226	125	40	40
3	16	131	82	48	2480	555	659	150	936	144	36	53
4	14	136	78	47	2250	1210	640	171	1060	120	34	71
5	13	137	84	46	1530	3110	630	197	1210	110	33	60
6	13	138	98	48	1160	3720	632	367	1800	160	32	48
7	13	124	110	52	916	4000	666	556	2600	262	35	43
8	13	101	105	54	695	3900	589	599	3290	228	50	45
9	12	81	100	61	509	3680	564	580	3340	178	64	64
10	12	65	102	66	439	3390	463	520	3400	137	49	104
11	12	54	105	73	562	2940	380	461	3380	110	40	122
12	12	45	102	101	724	2340	320	432	3230	90	31	105
13	12	40	97	152	923	1690	279	348	2700	78	25	80
14	12	36	92	175	880	1250	215	323	2300	64	22	71
15	11	39	110	169	700	950	190	381	2000	54	21	65
16	11	49	118	154	612	766	183	430	1590	49	20	61
17	14	97	116	139	532	656	155	470	1420	42	22	52
18	38	154	112	122	483	546	140	510	1210	38	31	45
19	52	142	107	107	378	343	125	542	860	35	45	38
20	51	116	96	111	340	264	116	577	600	33	37	32
21	39	107	87	128	315	245	110	546	400	32	29	28
22	31	104	80	140	300	235	104	602	272	31	25	25
23	25	116	73	136	283	231	112	640	113	31	23	23
24	20	130	62	127	266	267	115	690	147	30	22	23
25	17	133	59	140	259	301	118	696	222	30	21	22
26	18	142	61	153	251	289	120	628	162	29	21	20
27	20	146	56	166	240	237	123	548	130	29	20	19
28	24	139	52	162	230	240	125	363	110	31	21	18
29	87	120	50	153	---	350	149	265	98	44	23	19
30	276	110	50	152	---	479	150	220	90	55	26	19
31	262	---	50	160	---	738	---	200	---	58	29	---
TOTAL	1193	3260	2682	3436	21787	39481	9802	13289	39085	2577	979	1447
MEAN	38.5	109	86.5	111	778	1274	327	429	1303	83.1	31.6	48.2
MAX	276	189	118	175	2630	4000	866	696	3400	262	64	122
MIN	11	36	50	46	230	225	104	137	90	29	20	18
AC-FT	2370	6470	5320	6820	43210	78310	19440	26360	77530	5110	1940	2870

CAL YR 1980 TOTAL 927695.6 MEAN 2535 MAX 28600 MIN 9.7 AC-FT 1840000
WTR YR 1981 TOTAL 139018.0 MEAN 381 MAX 4000 MIN 11 AC-FT 275700

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.22	7.62	---	5.75	12.40	9.63	12.77	9.31	9.58	9.66	5.68	5.19
2	5.16	7.03	---	5.74	19.81	9.78	12.56	9.36	9.85	9.30	5.53	5.34
3	5.07	6.81	---	5.74	20.04	10.32	12.06	9.35	13.11	8.92	5.40	5.59
4	5.00	6.85	---	5.72	19.16	13.53	11.70	9.33	14.11	8.54	5.33	5.91
5	4.96	6.87	---	5.72	16.79	21.29	11.54	9.54	15.18	8.39	5.30	5.76
6	4.96	6.90	---	5.74	14.59	23.20	11.56	10.15	20.53	8.69	5.29	5.53
7	4.97	6.79	---	5.80	13.75	23.56	11.62	10.82	21.87	8.27	5.36	5.41
8	4.96	6.54	---	5.83	12.79	23.43	11.54	11.13	21.73	8.14	5.89	5.42
9	4.95	6.27	6.46	5.91	11.54	22.93	11.28	10.79	21.79	7.74	5.97	5.67
10	4.95	6.03	6.47	5.98	10.78	22.05	10.83	10.54	21.98	7.30	5.59	6.14
11	4.94	5.84	6.49	6.07	10.73	20.80	10.41	10.63	21.93	6.87	5.43	6.35
12	4.95	5.68	6.48	6.40	12.05	19.08	10.13	10.56	21.56	6.52	5.26	6.25
13	4.95	5.58	6.38	6.98	12.68	17.11	9.94	10.28	20.76	6.25	5.13	6.04
14	4.94	5.50	6.36	7.27	12.47	15.45	9.80	10.12	19.39	6.03	5.06	5.84
15	4.92	5.55	6.62	7.27	11.97	14.16	9.70	10.16	18.01	5.85	5.03	5.81
16	4.92	5.72	6.71	7.20	11.55	13.01	9.56	10.48	16.94	5.72	5.01	5.76
17	4.98	6.37	6.60	6.99	11.24	11.97	9.50	10.88	16.05	5.60	4.99	5.61
18	5.69	7.06	---	6.78	10.98	11.08	9.46	11.05	15.38	5.50	5.15	5.49
19	6.22	7.13	6.49	6.59	10.79	10.47	9.42	11.15	14.45	5.43	5.42	5.36
20	5.87	6.80	6.40	6.61	10.61	10.13	9.36	11.33	13.40	5.40	5.34	5.24
21	5.60	6.56	6.31	6.75	10.40	9.99	9.35	11.32	12.80	5.39	5.18	5.14
22	5.42	6.52	6.21	6.92	10.17	9.95	9.31	11.33	12.45	5.37	5.07	5.08
23	5.26	6.62	6.14	6.97	9.99	9.89	9.30	11.37	12.22	5.35	5.04	5.04
24	5.14	6.78	6.06	6.91	9.89	9.84	9.31	11.53	11.99	5.32	5.00	5.02
25	5.08	6.84	6.00	6.96	9.82	9.83	9.28	11.65	11.75	5.30	4.98	5.00
26	5.08	6.92	5.96	7.08	9.75	9.84	9.28	11.69	11.52	5.30	4.98	4.99
27	5.11	6.81	5.89	7.20	9.70	9.85	9.25	11.28	11.13	5.27	4.96	4.96
28	5.21	6.69	5.85	7.21	9.64	9.89	9.23	10.62	10.77	5.31	4.97	4.94
29	6.00	---	5.80	7.16	---	10.19	9.20	10.07	10.44	5.54	5.03	4.92
30	7.94	---	5.77	7.11	---	11.34	9.23	9.78	10.10	5.75	5.06	4.90
31	8.21	---	5.76	7.15	---	12.17	---	9.65	---	5.75	5.13	---
MEAN	5.38	---	---	6.56	12.36	14.06	10.25	10.56	15.43	6.57	5.24	5.46
MAX	8.21	7.62	---	7.27	20.04	23.56	12.77	11.69	21.98	9.66	5.97	6.35
MIN	4.92	5.50	5.76	5.72	9.64	9.63	9.20	9.31	9.58	5.27	4.96	4.90

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1965 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1965 to current year.
WATER TEMPERATURES: May 1980 to current year.

INSTRUMENTATION.--Specific conductance recorder (strip chart) October 1964 to May 22, 1980. Water-quality monitor since May 23, 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 26,800 micromhos Dec. 4, 1965; minimum, 40 micromhos Apr. 11-13, June 12-16, 1975.
WATER TEMPERATURES: Maximum, 33.0°C July 13-17, 1980; minimum, 6.0°C Jan. 14, 18-21, 1981.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 3,800 micromhos Sept. 6; minimum, 68 micromhos June 12.
WATER TEMPERATURES: Maximum, 32.5°C July 20, 22-26, minimum, 6.0°C Jan. 14, 18-21.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 28...	1315	2950	7.1	17.0	500	15	6.7	1.6	160
JAN 06...	0855	1060	6.4	7.0	140	10	10.6	2.8	--
APR 09...	1215	261	6.2	20.5	150	15	7.9	3.0	K40
JUL 09...	1330	552	6.5	28.0	120	30	4.4	.2	--

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
OCT 28...	K72	150	0	46	7.8	590	17	320	440
JAN 06...	860	49	0	15	2.8	190	4.6	107	150
APR 09...	K16	25	0	7.3	1.6	45	3.6	41	47
JUL 09...	2200	35	0	9.7	2.6	95	3.0	50	23

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 28...	490	.3	28	1850	1810	--	--	--
JAN 06...	140	.1	23	653	590	--	--	--
APR 09...	24	.1	14	188	168	.15	1.3	.16
JUL 09...	120	.1	15	301	298	.30	1.5	.20

DATE	ARSENIC DISSOLVED (UG/L AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 28...	2	1	0	8	1000	6	450	.0	50	<.1	<1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
28...	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1	.01	<.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
28...	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
28...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
28...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
28...	<.01	<.1	<.1	<1	<.01	<.1	.00	.00	.00	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
28...	424	100
JAN		
06...	188	88
APR		
09...	86	88
JUL		
09...	191	89

< Actual value is known to be less than the value shown.

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1700	1600	---	---	926	805	1020	992	2700	304	581	571
2	2000	1700	---	---	799	753	1100	1000	446	354	589	561
3	2400	2000	---	---	758	742	1200	1000	356	316	604	591
4	2500	2300	---	---	757	717	1100	900	315	295	612	604
5	2500	2300	---	---	759	723	998	994	303	295	620	608
6	2500	2200	---	---	736	698	991	968	314	303	609	594
7	2400	2100	---	---	713	693	1200	900	327	316	594	562
8	2300	2100	---	---	756	687	1100	1000	338	327	563	546
9	2200	2000	---	---	900	753	1400	1000	349	337	549	520
10	2100	1900	---	---	827	798	1600	1300	360	349	511	380
11	2000	1800	---	---	1200	700	1400	1100	374	361	375	317
12	2000	1800	---	---	1200	1000	1600	1300	385	374	315	292
13	1900	1500	---	---	1200	1000	1600	700	394	385	---	---
14	1900	1500	---	---	1500	1200	678	626	403	396	---	---
15	1800	1500	---	---	1300	1000	659	586	412	404	---	---
16	1700	1400	---	---	1100	800	602	581	420	412	---	---
17	1600	1400	---	---	918	777	671	607	428	421	221	210
18	1600	1500	---	---	776	754	715	672	438	429	264	217
19	1800	1500	---	---	759	748	767	714	448	439	280	244
20	1800	1500	---	---	813	757	1100	766	461	449	309	277
21	1800	1500	---	---	790	786	1000	809	475	463	377	301
22	2000	1500	---	---	785	780	2500	900	491	476	382	359
23	---	---	---	---	777	766	2100	1300	505	492	527	370
24	---	---	---	---	763	759	1900	1300	517	507	532	427
25	---	---	---	---	774	760	1300	1000	530	518	454	429
26	---	---	---	---	761	757	1200	900	544	530	431	401
27	---	---	981	775	760	752	974	875	558	546	391	330
28	---	---	1400	900	857	759	868	807	571	559	336	284
29	---	---	1400	900	940	858	836	785	---	---	361	275
30	---	---	1300	800	941	905	863	809	---	---	1800	279
31	---	---	---	---	992	941	873	838	---	---	499	301
MONTH	2500	1400	---	---	1500	748	2500	581	2700	295	1800	210

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	294	250	---	---	347	327	923	711	1400	1000	2000	1800
2	248	243	---	---	667	329	900	800	1500	1300	2100	2000
3	277	237	---	---	933	255	1100	900	1300	1200	2100	2000
4	354	274	---	---	643	210	1000	800	1300	1200	2200	1900
5	---	---	---	---	302	196	900	700	1300	1200	2700	2000
6	---	---	---	---	344	183	900	700	1400	1300	3800	2600
7	---	---	---	---	203	150	1300	700	1600	1100	3500	2800
8	---	---	---	---	157	79	2100	900	1320	1100	2700	2200
9	---	---	---	---	80	74	994	585	1800	1200	2200	2000
10	---	---	---	---	77	71	581	534	2000	1400	2100	1800
11	---	---	---	---	85	72	565	533	1700	1600	2300	1900
12	---	---	---	---	73	68	703	573	1800	1600	2400	2200
13	---	---	---	---	143	72	919	776	1900	1700	2400	2300
14	---	---	---	---	161	103	771	740	1900	1600	2300	2200
15	---	---	---	---	100	92	805	763	1700	1500	2300	2100
16	---	---	---	---	118	94	844	812	1600	1500	2400	2200
17	---	---	---	---	174	117	864	850	1500	1400	2300	2200
18	---	---	---	---	214	163	887	866	1500	1400	2200	2000
19	---	---	---	---	239	195	907	885	1500	1400	2000	1900
20	---	---	---	---	269	227	927	910	2100	1400	2000	1800
21	---	---	---	---	229	220	939	923	2200	1800	1800	1800
22	---	---	---	---	303	227	958	936	1900	1700	1900	1800
23	707	621	---	---	370	309	970	955	1800	1600	1800	1700
24	611	547	---	---	419	372	985	966	1600	1400	1800	1600
25	593	564	---	---	432	375	1010	986	1500	1400	1700	1600
26	---	---	---	---	468	421	1070	1010	1500	1400	1600	1500
27	---	---	---	---	451	408	1080	1080	1700	1600	1600	1500
28	---	---	370	269	621	415	1090	1080	1800	1600	1600	1500
29	---	---	411	304	691	638	1110	1080	1800	1700	1600	1400
30	---	---	319	298	700	644	1200	900	1800	1700	1400	1300
31	---	---	328	316	---	---	1200	1000	1800	1700	---	---
MONTH	---	---	---	---	933	68	2100	533	2200	1000	3800	1300

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.5	25.0	---	---	11.0	10.0	8.5	8.0	11.5	9.5	15.5	15.5
2	25.0	24.0	---	---	11.5	11.0	8.5	8.0	11.5	11.0	15.5	15.0
3	24.0	23.5	---	---	11.5	11.5	8.5	8.0	11.0	10.0	15.0	14.5
4	23.5	22.5	---	---	11.5	11.0	8.5	8.0	10.0	9.0	14.5	14.5
5	23.0	22.5	---	---	12.0	11.5	8.0	8.0	9.0	8.0	14.5	14.5
6	22.0	21.5	---	---	12.0	11.5	8.0	8.0	8.0	7.5	14.5	14.0
7	21.5	21.0	---	---	12.5	12.0	8.0	8.0	8.0	7.5	14.0	14.0
8	21.0	20.5	---	---	13.0	12.5	8.0	8.0	8.0	7.5	14.0	13.5
9	21.0	20.5	---	---	13.5	13.0	8.5	8.0	8.0	8.0	13.5	13.5
10	21.0	20.5	---	---	13.5	13.0	8.5	8.0	9.0	8.0	13.5	13.0
11	21.0	20.5	---	---	13.0	12.5	8.0	7.5	9.0	8.5	13.0	13.0
12	21.0	20.5	---	---	12.5	11.5	7.5	7.0	8.5	8.0	13.0	13.0
13	20.5	19.5	---	---	11.5	11.0	7.0	6.5	8.0	8.0	13.5	13.0
14	19.5	19.0	---	---	11.0	11.0	6.5	6.0	8.0	7.5	14.0	13.5
15	20.0	19.5	---	---	11.0	10.5	7.0	6.5	7.5	7.5	14.0	14.0
16	20.5	19.5	---	---	11.0	10.5	7.0	6.5	8.0	7.5	14.5	14.0
17	21.0	20.0	---	---	11.0	10.5	7.0	6.5	8.5	8.0	14.5	14.0
18	21.0	21.0	---	---	11.0	10.5	6.5	6.0	9.5	8.5	15.0	14.5
19	21.5	21.0	---	---	11.0	10.5	6.5	6.0	10.5	9.5	15.0	14.5
20	21.5	20.5	---	---	10.5	9.5	6.5	6.0	11.5	10.5	15.0	14.0
21	21.0	20.0	---	---	9.5	9.0	6.5	6.0	12.5	11.5	15.0	14.5
22	---	---	---	---	9.0	8.0	7.0	6.5	13.0	12.5	14.5	14.5
23	---	---	---	---	8.5	8.0	8.0	6.5	13.0	12.5	15.0	14.5
24	---	---	---	---	9.5	8.5	7.5	7.0	13.5	12.5	15.5	14.5
25	---	---	---	---	9.5	9.0	8.0	7.5	13.5	13.0	15.5	15.0
26	---	---	---	---	9.0	8.5	9.0	8.0	14.0	13.5	16.0	15.5
27	---	---	11.5	11.0	8.5	8.5	9.0	9.0	14.5	14.0	17.0	16.0
28	---	---	11.0	10.5	8.5	8.0	9.5	9.0	15.5	14.5	17.5	16.5
29	---	---	10.5	10.0	8.0	8.0	9.5	9.0	---	---	18.0	17.5
30	---	---	10.0	10.0	8.5	8.0	9.5	9.5	---	---	18.5	18.0
31	---	---	---	---	8.5	8.0	9.5	9.5	---	---	18.5	18.5
MONTH	25.5	19.0	---	---	13.5	8.0	9.5	6.0	15.5	7.5	18.5	13.0

	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	19.5	19.0	26.5	26.0	27.0	26.5	29.5	29.0	31.0	30.5	28.0	27.5
2	19.5	19.5	26.0	26.0	27.0	26.5	29.5	29.0	31.0	30.5	27.5	27.5
3	20.5	19.5	26.0	25.5	26.5	25.5	29.5	29.0	31.0	30.5	27.5	27.0
4	21.0	20.5	25.5	25.5	25.5	25.5	29.0	29.0	31.0	30.5	27.0	26.5
5	21.0	20.5	25.5	25.0	25.5	25.0	29.0	28.5	31.0	30.5	27.5	26.5
6	21.0	20.5	25.0	24.5	25.5	25.0	28.5	28.0	31.5	30.5	27.5	27.0
7	21.0	20.5	24.5	24.0	25.5	25.0	28.5	28.0	31.5	29.5	27.5	27.0
8	21.0	21.0	24.0	23.5	25.5	25.5	29.0	28.0	29.5	29.0	27.5	27.0
9	21.5	21.0	23.5	23.0	26.0	25.5	29.5	28.5	29.5	28.5	27.0	26.0
10	22.0	21.5	23.5	23.0	26.5	26.0	30.5	29.5	28.5	28.0	26.5	25.5
11	22.5	22.0	23.0	22.5	27.0	26.5	30.5	30.0	28.5	28.0	26.0	25.0
12	23.0	22.5	22.5	22.0	27.0	26.5	30.5	30.0	29.0	28.0	26.5	25.5
13	23.5	23.0	23.0	22.5	27.5	27.0	30.5	30.0	29.5	28.5	27.0	26.5
14	24.0	23.5	23.5	23.0	27.5	27.0	31.0	30.5	30.0	29.0	27.0	26.5
15	24.5	24.0	23.5	23.0	28.0	27.5	31.5	30.5	30.5	29.5	27.0	26.5
16	24.5	24.5	23.5	23.0	28.0	27.5	32.0	31.0	30.5	29.5	26.5	26.0
17	25.0	24.5	23.5	23.0	28.0	27.5	31.5	31.0	30.5	29.5	26.0	25.5
18	25.5	25.0	24.0	23.5	28.0	27.5	32.0	31.0	30.0	29.5	25.5	24.0
19	25.5	25.5	24.0	24.0	28.5	28.0	32.0	31.5	30.0	29.5	24.0	23.5
20	26.0	25.5	24.0	23.5	29.0	28.5	32.5	31.5	29.5	28.5	23.5	22.5
21	26.0	25.5	23.0	22.5	29.5	28.5	32.0	31.5	29.0	28.5	23.0	22.0
22	26.0	26.0	23.0	22.5	29.5	29.0	32.5	31.5	29.0	28.0	23.0	22.5
23	26.0	26.0	23.5	23.0	29.5	29.5	32.5	32.0	28.5	28.0	23.5	23.0
24	26.0	25.5	23.5	23.5	29.5	29.5	32.5	32.0	28.5	28.0	24.0	23.5
25	25.5	25.0	23.5	23.5	29.5	29.0	32.5	32.0	28.5	28.0	24.5	23.5
26	25.0	25.0	24.0	23.5	29.0	29.0	32.5	31.5	28.5	28.0	25.0	24.0
27	25.0	25.0	24.0	23.5	29.0	28.0	32.0	31.5	28.5	28.0	25.0	24.5
28	25.5	25.0	24.5	24.0	28.5	28.0	31.5	31.0	28.5	28.0	25.5	24.5
29	26.5	25.5	25.5	24.5	28.5	28.0	31.5	31.0	28.5	28.0	25.5	24.5
30	26.5	26.0	26.5	25.5	29.0	28.5	31.0	30.5	28.5	28.0	25.5	25.0
31	---	---	27.0	26.0	---	---	31.0	30.0	28.5	28.0	---	---
MONTH	26.5	19.0	27.0	22.0	29.5	25.0	32.5	28.0	31.5	28.0	28.0	22.0

07373000 BIG CREEK AT POLLOCK, LA
(Hydrologic bench-mark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW1/4SE1/4 sec.31, T.7 N., R.1 E., Grant Parish, Hydrologic Unit 08040304, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi (0.8 km) upstream from Sugar Branch, 0.8 mi (1.3 km) upstream from water-supply diversion dam, 0.8 mi (1.3 km) north of Pollock, and 1.3 mi (2.1 km) downstream from Dyson Creek.
DRAINAGE AREA.--51 mi^2 (132 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1942 to current year.
REVISED RECORDS.--WDR LA 75-1: 1958(M), 1966(M).
GAGE.--Duplex water-stage recorder (rain gage and water stage combination), concrete control since July 16, 1964. Datum of gage is 76.69 ft (23.375 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 25, 1942, nonrecording gage, and Feb. 25, 1942 to June 21, 1955, water-stage recorder at site 0.3 mi (0.5 km) downstream at same datum; June 21, 1955 to May 18, 1964, water-stage recorder at present site and datum.
REMARKS.--Water-discharge records good. Supplementary recording rain gage 3.8 mi (6.1 km) northwest of station since June 26, 1964. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.
AVERAGE DISCHARGE.--39 years, 60.4 ft^3/s (1.711 m^3/s), 16.08 in/yr (408 mm/yr), 43,760 acre-ft/yr (54.0 hm^3/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23;500 ft^3/s (666 m^3/s) Apr. 29, 1953, gage height, 18.03 ft (5.496 m), 16.90 ft (5.151 m), site then in use; minimum, 3.7 ft^3/s (0.11 m^3/s) Sept. 29, 1956, gage height, 1.08 ft (0.329 m).
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 650 ft^3/s (18 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 18	1200	789	22.3	8.07	2.460	Mar. 4	1900	673	19.1	7.49	2.283
Feb. 1	2300	*2780	78.7	*11.68	3.548	June 5	2330	1220	34.6	9.62	2.932

Minimum discharge, 10 ft^3/s (0.28 m^3/s) Aug. 28, gage height, 2.75 ft (0.838 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	23	30	24	731	32	34	28	22	16	14	26
2	21	23	29	24	1050	45	31	25	22	19	14	24
3	19	23	28	24	96	33	30	21	37	19	13	24
4	18	21	28	24	63	335	29	24	43	16	13	44
5	16	21	28	24	58	299	29	88	363	108	13	22
6	16	21	27	27	80	74	27	58	600	160	13	16
7	16	20	27	45	61	56	25	33	79	38	13	14
8	16	20	27	39	52	49	25	27	72	28	13	14
9	16	21	82	30	45	43	25	27	51	24	12	13
10	15	21	56	27	48	39	25	62	36	21	12	13
11	14	20	37	25	48	37	24	36	32	20	12	13
12	14	20	32	25	38	36	23	27	36	20	12	13
13	14	20	31	25	36	35	23	24	32	20	12	13
14	14	20	30	25	35	34	22	42	32	19	12	17
15	14	27	29	25	34	32	21	35	30	18	12	15
16	15	61	29	25	36	30	21	51	25	17	12	15
17	48	201	29	24	37	30	20	66	23	16	11	14
18	558	68	28	24	35	29	20	34	23	16	11	13
19	120	41	28	25	32	28	23	39	21	16	11	13
20	45	33	26	64	32	28	21	32	21	15	11	12
21	33	30	25	53	31	31	20	26	20	15	11	12
22	29	30	25	35	32	46	20	24	19	16	11	12
23	27	39	26	31	31	34	21	23	18	15	11	12
24	25	34	26	29	29	30	26	21	18	14	11	12
25	23	30	25	28	29	29	23	23	18	14	11	11
26	23	45	25	28	28	28	20	43	18	15	11	11
27	30	68	25	27	28	28	19	30	18	16	11	11
28	34	42	25	26	28	27	19	24	17	20	11	11
29	26	34	24	25	---	35	19	21	16	16	11	11
30	25	31	24	25	---	76	23	20	16	15	12	11
31	23	---	24	25	---	42	---	19	---	14	20	---
TOTAL	1335	1108	935	907	2885	1730	708	1053	1778	800	377	462
MEAN	43.1	36.9	30.2	29.3	103	55.8	23.6	34.0	59.3	25.8	12.2	15.4
MAX	558	201	82	64	1050	335	34	88	600	160	20	44
MIN	14	20	24	24	28	27	19	19	16	14	11	11
CFSM	.85	.72	.59	.58	2.02	1.09	.46	.67	1.16	.51	.24	.30
IN.	.97	.81	.68	.66	2.10	1.26	.52	.77	1.30	.58	.27	.34
AC-FT	2650	2200	1850	1800	5720	3430	1400	2090	3530	1590	748	916

CAL YR 1980 TOTAL 26022 MEAN 71.1 MAX 1310 MIN 12 CFSM 1.39 IN 18.98 AC-FT 51610
WTR YR 1981 TOTAL 14078 MEAN 38.6 MAX 1050 MIN 11 CFSM .76 IN 10.27 AC-FT 27920

† Precipitation, in inches, during month at rain gage at station. Total for calendar year 1980, 55.01 inches; total for water year 1981, 40.41 inches.

‡ Precipitation, in inches, during month at rain gage upstream. Total for calendar year 1980, 51.19 inches; total for water year 1981, 38.34 inches.

07373000 BIG CREEK AT POLLOCK, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.14	3.00	3.16	3.07	5.99	3.19	3.22	3.13	3.04	2.91	2.86	3.11
2	3.05	3.05	3.15	3.07	8.01	3.33	3.18	3.10	3.04	2.99	2.86	3.07
3	3.01	3.05	3.14	3.08	3.68	3.21	3.16	3.02	3.25	2.99	2.84	3.07
4	2.99	3.03	3.14	3.08	3.46	5.22	3.15	3.07	3.31	2.97	2.85	3.32
5	2.97	3.02	3.13	3.07	3.44	4.92	3.15	3.63	6.80	3.54	2.84	3.04
6	2.95	3.02	3.12	3.12	3.59	3.55	3.12	3.44	3.58	3.97	2.84	2.92
7	2.95	3.01	3.12	3.33	3.46	3.42	3.10	3.21	3.54	3.26	2.84	2.88
8	2.95	3.01	3.12	3.27	3.39	3.36	3.09	3.12	3.38	3.14	2.83	2.86
9	2.95	3.02	3.60	3.17	3.33	3.31	3.10	3.12	3.24	3.07	2.82	2.85
10	2.94	3.62	3.42	3.12	3.35	3.27	3.09	3.47	3.19	3.02	2.81	2.84
11	2.93	3.01	3.25	3.10	3.35	3.25	3.08	3.24	3.24	3.00	2.80	2.83
12	2.93	3.00	3.20	3.10	3.26	3.24	3.06	3.12	3.20	3.00	2.81	2.83
13	2.92	3.00	3.18	3.09	3.24	3.23	3.05	3.07	3.19	3.01	2.80	2.84
14	2.93	3.01	3.10	3.10	3.23	3.22	3.04	3.30	3.16	2.98	2.80	2.93
15	2.93	3.12	3.15	3.10	3.22	3.19	3.03	3.23	3.10	2.95	2.81	2.90
16	2.94	3.39	3.15	3.09	3.24	3.17	3.02	3.38	3.06	2.94	2.80	2.89
17	3.18	4.14	3.15	3.08	3.25	3.16	3.01	3.50	3.05	2.92	2.78	2.87
18	6.83	3.51	3.14	3.07	3.23	3.15	3.01	3.22	3.03	2.92	2.78	2.85
19	3.78	3.29	3.13	3.09	3.20	3.14	3.05	3.27	3.02	2.91	2.79	2.83
20	3.33	3.21	3.11	3.47	3.19	3.13	3.03	3.19	3.00	2.90	2.79	2.82
21	3.21	3.17	3.10	3.40	3.18	3.18	3.01	3.11	2.98	2.89	2.78	2.82
22	3.15	3.17	3.10	3.23	3.19	3.34	3.00	3.07	2.97	2.92	2.79	2.81
23	3.12	3.27	3.11	3.18	3.18	3.22	3.03	3.05	2.97	2.90	2.76	2.80
24	3.09	3.22	3.11	3.15	3.15	3.16	3.11	3.03	2.96	2.88	2.78	2.80
25	3.06	3.10	3.10	3.14	3.15	3.15	3.05	3.06	2.96	2.87	2.77	2.79
26	3.05	3.33	3.09	3.13	3.14	3.14	3.01	3.31	2.96	2.89	2.77	2.79
27	3.16	3.51	3.09	3.12	3.14	3.13	2.99	3.16	2.95	2.96	2.77	2.78
28	3.22	3.30	3.09	3.11	3.14	3.12	2.98	3.07	2.93	3.00	2.76	2.78
29	3.11	3.22	3.08	3.10	---	3.23	2.98	3.03	2.92	2.92	2.76	2.78
30	3.09	3.10	3.08	3.09	---	3.56	3.05	3.01	2.91	2.89	2.82	2.77
31	3.08	---	3.08	3.09	---	3.36	---	2.99	---	2.87	3.00	---
MEAN	3.19	3.16	3.15	3.14	3.55	3.36	3.07	3.18	3.23	3.01	2.81	2.88
MAX	6.83	4.14	3.60	3.47	8.01	5.22	3.22	3.63	6.80	3.97	3.00	3.32
MIN	2.92	3.00	3.08	3.07	3.14	3.12	2.98	2.99	2.91	2.87	2.76	2.77

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1943, 1959, 1965 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1964 to September 1973, October 1974 to September 1976.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 31.0°C July 30 to Aug. 1, 1976; minimum, 2.0°C Jan. 15, 1969, Jan. 10, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT										
28...	1215	39	6.1	16.5	40	15	9.2	4.4	2100	1300
NOV										
19...	0900	46	6.6	9.0	60	8.0	10.8	2.4	400	420
DEC										
03...	1530	41	5.0	10.0	30	5.0	9.3	2.6	K95	K140
JAN										
06...	0715	48	5.8	6.5	30	4.0	11.4	2.3	200	240
FEB										
04...	1800	35	5.7	8.0	30	8.0	10.3	1.6	500	160
MAR										
04...	1800	30	5.0	16.0	70	3.5	8.9	2.7	4200	4400
APR										
09...	1330	44	5.6	20.0	30	5.0	8.3	1.1	K48	K32
MAY										
12...	0755	39	6.0	16.5	60	10	8.3	--	110	540
JUN										
10...	1835	35	5.9	25.5	60	10	6.6	.6	100	720
JUL										
09...	1435	40	5.8	27.0	30	6.0	6.2	.4	180	2300
AUG										
06...	1715	43	7.2	29.0	10	5.0	7.8	.3	160	750
SEP										
03...	1830	37	6.4	24.0	50	8.0	7.6	1.2	480	--

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
OCT											
28...	6	0	2.0	.2	3.9	1.6	7	3.2	4.0	.1	18
NOV											
19...	10	3	2.1	1.2	3.9	1.8	7	5.8	5.0	.2	15
DEC											
03...	7	0	1.8	.7	4.4	1.6	9	2.0	5.8	.1	20
JAN											
06...	10	0	2.7	.8	5.0	1.1	10	4.9	4.5	.0	18
FEB											
04...	7	3	1.7	.7	3.8	1.1	4	7.2	3.8	.1	15
MAR											
04...	7	6	1.7	.6	2.2	1.3	7	2.6	1.9	.0	7.0
APR											
09...	9	0	2.3	.9	4.9	1.5	10	2.2	4.0	.0	19
MAY											
12...	9	0	2.3	.7	3.6	1.3	11	1.1	3.4	.0	16
JUN											
10...	8	0	2.2	.6	3.9	1.3	10	2.5	3.9	.0	18
JUL											
09...	8	0	2.0	.7	5.2	1.6	9	3.0	4.9	.0	17
AUG											
06...	8	0	1.9	.7	4.7	1.4	16	1.0	4.0	.0	24
SEP											
03...	8	0	2.1	.7	4.3	2.0	10	<5.0	4.3	.0	19

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT 28...	47	37	.00	.03	.10	.10	.82	.67	.11	.04
NOV 19...	39	39	.07	.10	.05	.04	--	.86	.17	.14
DEC 03...	43	41	.00	.01	.00	.03	.39	.38	.04	.04
JAN 06...	41	43	.00	.03	--	.08	1.0	.65	.01	.01
FEB 04...	39	36	.11	.13	.05	.07	.80	.85	.06	.05
MAR 04...	39	21	.05	.05	.04	.04	1.2	1.1	.08	.02
APR 09...	45	41	--	.16	--	.19	1.1	.77	.06	.02
MAY 12...	49	35	.01	.00	.11	.10	.89	.28	.05	.01
JUN 10...	53	38	.05	.08	--	.15	1.1	1.0	.03	.01
JUL 09...	44	39	.10	.09	.12	.11	1.1	.65	.05	.01
AUG 06...	48	47	.14	.12	.16	.15	.62	.46	.04	.00
SEP 03...	51	44	.08	.05	.13	.14	1.0	1.1	.05	.03

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)
NOV 19...	0	0	--	30	<1	1	<1	0	0	<3
MAR 04...	1	0	100	30	<1	0	<1	10	0	<3

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
NOV 19...	2	10	590	230	7	10	60	48	.1	.0
MAR 04...	4	<10	2100	390	--	10	350	170	.2	.1

DATE	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)
NOV 19...	0	0	0	0	21	6.0	10	4	.00
MAR 04...	1	0	0	0	15	6.0	20	14	.00

DATE	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DISSOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
MAR 04...	1.0	4.7	.7	3.2	4.6	4.5	4.4	4.3	.06	.09

< Actual value is known to be less than the value shown.

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV												
19...	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	.1	<.01	<.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
NOV											
19...	<.01	<.1	<.01	<.01	.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
NOV											
19...	<.1	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV											
19...	<.1	<.01	<.01	<.1	<.1	<1	<.01	.00	.00	.00	.00

DATE	STREAMFLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
28...	31	34	2.8	87
NOV				
05...	21	30	1.7	65
19...	39	21	2.2	83
DEC				
03...	28	14	1.1	75
11...	37	12	1.2	64
JAN				
06...	24	14	.91	90
FEB				
04...	61	66	11	68
12...	38	53	5.4	36
MAR				
04...	661	372	664	57
APR				
09...	24	25	1.6	82
MAY				
01...	25	32	2.2	77
12...	28	134	10	96
JUN				
05...	42	45	5.1	58
10...	34	20	1.8	76
JUL				
07...	38	38	3.9	90
09...	23	59	3.7	64
AUG				
06...	13	28	.98	84
17...	11	14	.42	94
SEP				
03...	21	27	1.5	86
22...	12	10	.32	96

< Actual value is known to be less than the value shown.

07373250 HEMPHILL CREEK AT NEBO, LA

LOCATION.--Lat 31°35'04", long 92°07'55", in NW1/4NE1/4 in lot 39, T.7 N., R.3 E., La Salle Parish, Hydrologic Unit 08040304, at left bank on downstream side of bridge on State Highway 460, 0.6 mi (1.0 km) east of Nebo , 1.4 mi (2.3 km) upstream from Mason Creek, and 2.2 mi (3.5 km) downstream from Mill Creek.

DRAINAGE AREA.--35.3 mi^2 (91.4 km^2).

PERIOD OF RECORD.--Occasional low-flow and miscellaneous measurements, water years 1956-63, 1966-67, 1970. August 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 46.58 ft (14.198 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of no gage-height record, which are fair. Records of dissolved oxygen and water temperatures for water years 1979-81 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,120 ft^3/s (145 m^3/s) Feb. 24, 1979, gage height, 11.00 ft (3.353 m); minimum, 13 ft^3/s (0.37 m^3/s) Sept. 25, 26, 27, 28, 29, 30, 1981, minimum gage height, 2.52 ft (0.768 m) Sept. 27, 28, 29, 30, 1981.

EXTREMES FOR CURRENT PERIOD.--Water year 1979: Maximum discharge, 5,120 ft^3/s (145 m^3/s) Feb. 24, gage height, 11.00 ft (3.353 m); minimum, 16 ft^3/s (0.45 m^3/s) part or all of each day Oct. 1 to Nov. 5, may have been lower during period of no gage-height record, July 2-9; minimum gage height, 2.58 ft (0.786 m) Oct. 2, 4.

Water year 1980: Maximum discharge, 3,170 ft^3/s (89.8 m^3/s) Mar. 29, gage height, 9.22 ft (2.810 m); minimum, 16 ft^3/s (0.45 m^3/s) part or all of each day Aug. 23-25, 28, Sept. 4-6, 8-30; minimum gage height, 2.61 ft (0.796 m) Aug. 23, 24, 25.

Water year 1981: Maximum discharge, 1,860 ft^3/s (52.7 m^3/s) Mar. 29, gage height, 7.68 ft (2.341 m); minimum, 13 ft^3/s (0.37 m^3/s) Sept. 25, 26, 27, 28, 29, 30; minimum gage height, 2.52 ft (0.768 m) Sept. 27, 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											---	19
2											---	18
3											---	34
4											---	21
5											---	18
6											---	17
7											---	17
8											---	17
9											---	17
10											---	17
11											---	17
12											---	17
13											---	17
14											---	18
15											---	17
16											---	17
17											---	16
18											---	16
19											---	16
20											---	16
21											---	16
22											---	16
23											---	16
24											---	16
25											---	16
26											---	16
27											---	16
28											---	17
29											---	17
30											22	16
31											20	---
TOTAL											---	524
MEAN											---	17.5
MAX											---	34
MIN											---	16
CFSM											---	.50
IN.											---	.55
AC-FT											---	1040

07373250 HEMPHILL CREEK AT NEBO, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	17	23	676	64	57	25	43	45	17	21	18
2	16	17	99	128	57	196	37	43	51	16	22	29
3	16	17	49	67	68	1120	192	43	38	16	34	21
4	16	17	28	53	82	104	182	267	33	16	27	19
5	16	17	120	47	85	75	51	77	30	16	24	24
6	16	18	34	206	405	63	42	54	28	16	23	44
7	16	18	23	713	289	61	38	46	27	16	21	27
8	16	18	158	113	89	56	39	40	25	16	20	21
9	17	18	63	78	62	51	44	38	24	16	20	19
10	17	18	29	64	52	77	37	37	23	30	18	18
11	16	17	24	54	45	77	37	36	22	20	18	18
12	16	17	23	49	40	52	70	39	22	19	18	18
13	16	17	22	45	38	47	82	36	21	40	17	18
14	16	17	21	38	37	42	43	34	21	30	17	17
15	16	27	21	37	35	39	36	33	20	24	20	17
16	16	23	21	36	33	41	34	32	20	22	27	17
17	16	24	20	34	34	40	33	32	19	21	23	17
18	17	19	20	32	198	36	32	31	19	21	21	52
19	17	19	19	1810	82	35	31	30	18	20	19	120
20	17	21	19	1510	119	36	31	29	26	32	18	1400
21	16	19	21	202	140	34	113	29	20	43	17	110
22	16	19	20	98	126	51	1010	35	19	33	18	48
23	17	19	19	80	687	49	188	34	19	29	20	40
24	17	18	19	62	2070	35	84	32	18	26	40	37
25	17	18	19	54	196	32	58	30	18	45	38	35
26	18	32	19	156	106	30	53	28	18	87	110	31
27	17	36	18	140	78	28	49	27	17	42	30	27
28	17	21	18	66	66	27	45	27	17	31	23	26
29	17	68	29	59	---	26	47	27	17	27	22	25
30	17	32	333	216	---	25	45	42	17	24	21	24
31	17	---	257	114	---	25	---	37	---	23	20	---
TOTAL	511	658	1608	7037	5383	2667	2808	1368	712	834	787	2337
MEAN	16.5	21.9	51.9	227	192	86.0	93.6	44.1	23.7	26.9	25.4	77.9
MAX	18	68	333	1810	2070	1120	1010	267	51	87	110	1400
MIN	16	17	18	32	33	25	25	27	17	16	17	17
CFSM	.47	.62	1.47	6.43	5.44	2.44	2.65	1.25	.67	.76	.72	2.21
IN.	.54	.69	1.69	7.42	5.67	2.81	2.96	1.44	.75	.88	.83	2.46
AC-FT	1010	1310	3190	13960	10680	5290	5570	2710	1410	1650	1560	4640

WTR YR 1979 TOTAL 26710 MEAN 73.2 MAX 2070 MIN 16 CFSM 2.07 IN 28.15 AC-FT 52980

NOTE.--No gage-height record, June 8 to July 16, Aug. 22 to Oct. 2, 1979.

07373250 HEMPHILL CREEK AT NEBO, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	28	29	26	36	42	94	52	32	24	19	17
2	23	26	28	24	37	35	195	108	31	24	20	17
3	24	24	28	24	36	34	163	63	30	23	20	17
4	24	23	27	26	32	34	83	48	29	22	19	16
5	23	21	26	25	36	35	65	42	29	22	19	16
6	23	21	26	24	35	34	57	37	28	22	19	17
7	22	20	25	23	34	37	64	36	27	22	19	17
8	22	19	25	23	90	35	53	36	27	22	19	16
9	21	26	24	22	590	34	46	36	33	22	18	16
10	21	28	24	28	161	34	44	33	31	22	18	16
11	21	26	24	52	92	36	48	32	29	22	18	16
12	21	24	219	34	71	61	1060	32	27	21	18	16
13	20	23	192	29	62	38	629	33	26	21	18	16
14	20	22	91	26	56	34	155	33	26	21	18	16
15	20	21	66	25	52	32	93	36	25	21	17	16
16	19	20	49	24	49	154	74	903	24	21	17	16
17	19	19	40	24	46	540	66	• 485	24	21	17	16
18	19	19	37	24	48	91	66	103	23	20	17	16
19	19	19	35	23	46	178	57	107	34	20	17	16
20	19	18	34	23	44	148	50	80	35	20	17	16
21	19	18	32	50	42	104	47	71	32	20	17	16
22	35	433	38	700	40	65	44	68	39	20	17	16
23	28	603	61	152	38	58	41	51	65	21	17	16
24	26	81	124	72	35	83	40	47	34	20	16	16
25	24	247	46	61	34	55	646	44	32	20	17	16
26	23	62	36	59	34	68	256	42	29	20	17	16
27	22	37	33	47	33	732	95	39	28	20	16	16
28	21	34	31	39	33	736	73	38	27	20	17	16
29	21	32	29	36	34	974	61	35	26	20	17	20
30	20	30	28	38	---	341	55	34	25	20	17	34
31	154	---	27	52	---	126	---	32	---	20	17	---
TOTAL	817	2024	1534	1835	1976	5008	4520	2836	907	654	549	507
MEAN	26.4	67.5	49.5	59.2	68.1	162	151	91.5	30.2	21.1	17.7	16.9
MAX	154	603	219	700	590	974	1060	903	65	24	20	34
MIN	19	18	24	22	32	32	40	32	23	20	16	16
CFSM	.75	1.91	1.40	1.68	1.93	4.59	4.28	2.59	.86	.60	.50	.48
IN.	.86	2.13	1.62	1.93	2.08	5.28	4.76	2.99	.96	.69	.58	.53
AC-FT	1620	4010	3040	3640	3920	9930	8970	5630	1800	1300	1090	1010

CAL YR 1979 TOTAL 28308 MEAN 77.6 MAX 2070 MIN 16 CFSM 2.20 IN 29.83 AC-FT 56150
WTR YR 1980 TOTAL 23167 MEAN 63.3 MAX 1060 MIN 16 CFSM 1.79 IN 24.41 AC-FT 45950

07373250 HEMPHILL CREEK AT NEBO, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	21	23	21	165	24	42	16	17	19	17	18
2	24	19	23	20	81	22	34	15	59	21	18	18
3	22	19	22	21	35	21	30	15	140	20	21	19
4	20	19	22	20	28	489	28	50	39	20	17	17
5	19	18	22	20	30	100	26	92	406	25	17	16
6	18	18	22	26	42	52	23	36	184	23	17	15
7	18	18	22	29	32	39	23	20	62	20	18	15
8	17	18	22	22	27	33	23	18	94	19	19	15
9	17	18	62	22	24	29	22	19	46	19	17	15
10	17	18	31	21	32	27	21	37	35	19	17	14
11	17	17	26	21	33	25	20	19	33	18	17	14
12	16	18	24	21	24	24	20	18	38	18	16	14
13	16	17	23	21	23	24	19	17	33	18	16	14
14	16	18	23	21	23	23	18	29	27	18	16	16
15	16	20	23	21	23	22	17	18	24	18	16	16
16	16	54	23	20	23	22	17	55	24	18	16	15
17	120	117	22	20	24	21	17	34	34	18	27	14
18	110	36	21	20	23	21	19	19	24	17	31	14
19	30	24	21	21	23	21	25	75	23	17	17	14
20	24	23	21	62	22	21	17	24	22	17	17	14
21	20	22	21	33	21	29	17	20	21	18	17	14
22	19	23	21	25	22	28	18	19	21	46	17	14
23	18	26	23	23	21	21	19	18	21	18	16	14
24	18	22	21	22	20	21	18	18	21	18	16	14
25	18	22	21	22	20	20	17	38	25	19	16	14
26	17	54	21	21	20	20	16	40	26	19	16	14
27	17	42	21	21	20	20	15	20	34	18	16	13
28	40	28	21	21	20	20	16	19	20	18	15	13
29	54	25	21	20	---	276	16	18	20	18	15	13
30	30	24	21	20	---	233	16	17	20	17	16	13
31	25	---	21	20	---	58	---	18	---	18	24	---
TOTAL	857	818	731	718	901	1806	629	871	1593	609	551	443
MEAN	27.6	27.3	23.6	23.2	32.2	58.3	21.0	28.1	53.1	19.6	17.8	14.8
MAX	120	117	62	62	165	489	42	92	406	46	31	19
MIN	16	17	21	20	20	20	15	15	17	17	15	13
CFSM	.78	.77	.67	.66	.91	1.65	.60	.80	1.50	.56	.50	.42
IN.	.90	.86	.77	.76	.95	1.90	.66	.92	1.68	.64	.58	.47
AC-FT	1700	1620	1450	1420	1790	3580	1250	1730	3160	1210	1090	879

CAL YR 1980 TOTAL 21198 MEAN 57.9 MAX 1060 MIN 16 CFSM 1.64 IN 22.34 AC-FT 42050
WTR YR 1981 TOTAL 10527 MEAN 28.8 MAX 489 MIN 13 CFSM .82 IN 11.09 AC-FT 20880

07373250 HEMPHILL CREEK AT NEBO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											---	2.67
2											---	2.65
3											---	2.75
4											---	2.71
5											---	2.64
6											---	2.63
7											---	2.62
8											---	2.61
9											---	2.61
10											---	2.61
11											---	2.62
12											---	2.63
13											---	2.63
14											---	2.65
15											---	2.63
16											---	2.61
17											---	2.60
18											---	2.60
19											---	2.60
20											---	2.60
21											---	2.60
22											---	2.60
23											---	2.60
24											---	2.60
25											---	2.60
26											---	2.60
27											---	2.60
28											---	2.61
29											---	2.62
30											2.75	2.60
31											2.70	---
MEAN											---	2.62
MAX											---	2.75
MIN											---	2.60

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.60	2.61	2.77	5.64	3.18	3.18	2.85	3.05	3.05	---	2.79	—
2	2.60	2.61	3.38	3.73	3.12	3.60	2.98	3.05	3.11	---	2.79	—
3	2.60	2.61	3.04	3.26	3.22	6.18	4.06	3.04	3.00	---	2.98	—
4	2.59	2.61	2.84	3.13	3.33	3.56	3.96	4.17	2.95	---	2.91	—
5	2.61	2.61	---	3.09	3.36	3.32	3.12	3.34	2.92	---	2.87	—
6	2.60	2.64	---	4.13	4.66	3.23	3.04	3.14	2.89	---	2.84	—
7	2.60	2.65	2.76	5.43	4.39	3.21	3.00	3.07	2.88	---	2.81	—
8	2.60	2.64	3.66	3.59	3.39	3.17	3.01	---	---	---	2.78	—
9	2.61	2.64	3.22	3.30	3.17	3.12	3.05	---	---	---	2.76	—
10	2.61	2.63	2.90	3.18	3.08	3.34	2.99	---	---	---	2.74	—
11	2.60	2.63	2.83	3.10	3.01	3.35	2.99	2.98	---	---	2.74	—
12	2.60	2.63	2.81	3.05	2.97	3.13	3.26	3.01	---	---	2.74	—
13	2.60	2.63	2.79	3.01	2.95	3.08	3.38	2.98	---	---	2.73	—
14	2.60	2.63	2.77	2.95	2.94	3.04	3.05	2.96	---	---	2.72	—
15	2.60	2.76	2.77	2.94	2.92	3.01	2.98	2.95	---	---	2.78	—
16	2.60	2.75	2.76	2.93	2.90	3.02	2.96	2.94	---	---	2.94	—
17	2.60	2.79	2.74	2.91	2.91	3.01	2.94	2.93	---	---	2.88	—
18	2.61	2.68	2.74	2.89	4.06	2.98	2.94	2.92	---	2.76	2.84	—
19	2.61	2.68	2.73	6.53	3.33	2.97	2.93	2.92	---	2.75	2.80	—
20	2.61	2.71	2.73	6.95	3.58	2.98	2.92	2.91	---	2.86	2.77	—
21	2.60	2.68	2.77	4.13	3.75	2.96	3.57	2.91	---	3.04	2.75	—
22	2.60	2.66	2.73	3.47	3.60	3.11	6.09	2.97	---	2.95	---	—
23	2.61	2.66	2.73	3.32	5.21	3.09	4.11	2.96	---	2.90	---	—
24	2.61	2.65	2.72	3.17	7.37	2.97	3.40	2.94	---	2.87	---	—
25	2.61	2.65	2.71	3.10	4.16	2.94	3.18	2.92	---	3.03	---	—
26	2.64	2.83	2.71	3.76	3.58	2.91	3.14	2.90	---	3.41	---	—
27	2.62	2.91	2.71	3.74	3.35	2.89	3.10	2.89	---	3.04	---	—
28	2.61	2.72	2.71	3.20	3.25	2.88	3.06	2.88	---	2.93	---	—
29	2.61	3.19	2.83	3.14	---	2.87	3.08	2.88	---	2.89	---	—
30	2.61	2.88	4.60	3.99	---	2.86	3.06	3.03	---	2.85	---	—
31	2.61	---	4.36	3.57	---	2.85	---	2.99	---	2.82	---	—
MEAN	2.61	2.70	---	3.69	3.60	3.19	3.27	---	---	---	---	—
MAX	2.64	3.19	4.60	6.95	7.37	6.18	6.09	4.17	3.11	3.41	---	—
MIN	2.59	2.61	2.71	2.89	2.90	2.85	2.85	2.88	---	---	2.72	—

07373250 HEMPHILL CREEK AT NEBO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.79	---	2.86	2.98	3.04	3.48	3.16	2.97	2.82	2.68	2.65
2	---	2.93	---	2.84	2.97	2.97	3.97	3.58	2.96	2.81	2.69	2.65
3	2.91	2.90	---	2.84	2.96	2.96	3.93	3.26	2.94	2.80	2.66	2.64
4	2.90	2.88	---	2.86	2.94	2.96	3.40	3.12	2.93	2.78	2.68	2.64
5	2.89	2.85	---	2.85	2.98	2.97	3.24	3.06	2.92	2.77	2.67	2.63
6	2.88	2.83	---	2.83	2.97	2.96	3.17	3.02	2.91	2.76	2.67	2.65
7	2.87	2.82	---	2.82	2.96	2.98	3.23	3.01	2.90	2.76	2.66	2.65
8	2.87	2.80	---	2.81	3.45	2.97	3.14	3.01	2.90	2.77	2.66	2.65
9	2.85	2.94	---	2.80	5.50	2.96	3.07	3.01	2.96	2.76	2.65	2.64
10	2.84	2.96	2.83	2.89	3.98	2.96	3.06	2.98	2.95	2.75	2.65	2.64
11	2.83	2.94	2.83	3.13	3.47	2.98	3.09	2.97	2.92	2.74	2.64	2.64
12	2.83	2.91	4.31	2.96	3.30	3.20	5.97	2.96	2.90	2.74	2.64	2.63
13	2.82	2.88	4.17	---	3.22	3.00	5.44	2.98	2.88	2.73	2.64	2.63
14	2.81	2.86	3.46	---	3.17	2.96	3.94	2.98	2.87	2.72	2.63	2.63
15	2.81	2.83	3.25	---	3.13	2.94	3.50	3.01	2.86	2.71	2.63	2.64
16	2.80	2.82	3.11	---	3.11	3.36	3.35	5.75	2.85	2.71	2.63	2.63
17	2.80	2.80	3.02	---	3.08	4.97	3.28	4.99	2.84	2.71	2.62	2.63
18	2.80	2.79	2.99	---	3.10	3.46	3.28	3.58	2.83	2.70	2.62	2.63
19	2.79	2.78	2.97	---	3.08	3.89	3.20	3.62	2.95	2.70	2.62	2.63
20	2.79	2.77	2.96	---	3.06	3.87	3.14	3.39	2.97	2.70	2.62	2.64
21	2.79	2.77	2.94	---	3.04	3.56	3.11	3.32	2.94	2.70	2.62	2.64
22	3.04	2.79	3.00	---	3.02	3.24	3.08	3.30	3.00	2.70	2.62	2.63
23	2.96	5.54	3.21	3.92	3.00	3.18	3.06	3.15	3.23	2.71	2.61	2.63
24	2.93	3.38	3.73	3.31	2.97	3.39	3.05	3.11	2.96	2.70	2.61	2.62
25	2.90	4.45	3.08	3.21	2.96	3.16	4.57	3.09	2.93	2.70	2.62	2.62
26	2.88	3.21	2.98	3.19	2.96	3.26	4.32	3.06	2.91	2.69	2.62	2.62
27	2.86	2.99	2.95	3.09	2.95	5.09	3.52	3.04	2.89	2.69	2.62	2.62
28	2.85	2.96	2.93	3.01	2.95	5.41	3.34	3.03	2.87	2.70	2.63	2.62
29	2.83	---	2.91	2.98	2.96	5.53	3.24	3.00	2.85	2.69	2.64	2.70
30	2.81	---	2.90	3.00	---	4.66	3.18	2.99	2.83	2.69	2.64	2.96
31	3.79	---	2.88	3.13	---	3.73	---	2.97	---	2.68	2.65	---
MEAN	---	---	---	---	3.18	3.50	3.55	3.27	2.92	2.73	2.64	2.65
MAX	3.79	5.54	4.31	---	5.50	5.53	5.97	5.75	3.23	2.82	2.69	2.96
MIN	2.79	2.77	2.83	2.80	2.94	2.94	3.05	2.96	2.83	2.68	2.61	2.62

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.89	---	2.82	2.76	3.83	2.81	3.03	2.65	2.67	2.63	2.58	2.63
2	2.84	---	2.81	2.76	3.36	2.79	2.96	2.62	2.92	2.68	2.59	2.65
3	2.79	---	2.80	2.76	2.97	2.76	2.92	2.60	3.73	2.65	2.67	2.67
4	2.75	---	2.79	2.75	2.89	4.79	2.90	2.92	3.01	2.63	2.58	2.62
5	2.73	---	2.79	2.75	2.91	3.52	2.86	3.45	4.34	2.71	2.57	2.58
6	2.71	2.73	2.80	2.84	3.04	3.13	2.82	2.95	3.91	2.71	2.57	2.57
7	2.69	2.73	2.80	2.89	2.94	3.01	2.82	2.74	3.11	2.65	2.60	2.56
8	2.68	2.74	2.79	2.78	2.88	2.95	2.81	2.70	3.38	2.63	2.62	2.57
9	2.67	2.74	3.20	2.78	2.84	2.90	2.79	2.70	2.97	2.62	2.56	2.57
10	2.66	2.73	2.93	2.77	2.94	2.88	2.76	2.96	2.87	2.61	2.55	2.56
11	2.66	2.71	2.87	2.77	2.93	2.85	2.75	2.73	2.85	2.61	2.55	2.56
12	2.65	2.72	2.84	2.77	2.84	2.84	2.74	2.69	2.90	2.60	2.55	2.55
13	2.64	2.72	2.82	2.77	2.82	2.83	2.71	2.68	2.84	2.60	2.54	2.55
14	2.64	2.73	2.81	2.77	2.82	2.81	2.70	2.87	2.78	2.60	2.54	2.63
15	2.64	2.77	2.81	2.76	2.81	2.80	2.68	2.70	2.74	2.59	2.54	2.63
16	2.64	3.08	2.81	2.76	2.82	2.78	2.66	3.10	2.73	2.59	2.54	2.59
17	---	3.68	2.79	2.75	2.83	2.78	2.65	2.93	2.86	2.58	2.65	2.56
18	---	3.00	2.78	2.76	2.82	2.77	2.71	2.72	2.74	2.58	2.75	2.56
19	---	2.87	2.78	2.77	2.81	2.76	2.80	3.28	2.71	2.57	2.58	2.56
20	---	2.83	2.77	3.21	2.79	2.76	2.67	2.82	2.69	2.57	2.56	2.56
21	---	2.83	2.78	2.95	2.77	2.87	2.65	2.74	2.67	2.58	2.56	2.56
22	---	2.82	2.78	2.85	2.78	2.88	2.68	2.71	2.66	2.92	2.56	2.56
23	---	2.88	2.81	2.81	2.76	2.78	2.72	2.69	2.66	2.60	2.55	2.56
24	---	2.81	2.77	2.79	2.75	2.76	2.71	2.69	2.66	2.58	2.54	2.55
25	---	2.80	2.76	2.79	2.75	2.76	2.65	2.90	2.73	2.61	2.55	2.54
26	---	3.14	2.77	2.77	2.75	2.75	2.64	2.99	2.74	2.63	2.55	2.54
27	---	3.04	2.77	2.76	2.74	2.74	2.62	2.75	2.82	2.59	2.54	2.53
28	---	2.91	2.77	2.76	2.73	2.73	2.62	2.72	2.65	2.59	2.54	2.53
29	---	2.86	2.77	2.74	---	3.55	2.62	2.69	2.64	2.59	2.55	2.53
30	---	2.84	2.76	2.75	---	4.12	2.64	2.66	2.63	2.58	2.56	2.53
31	---	---	2.76	2.74	---	3.18	---	2.68	---	2.59	2.71	---
MEAN	---	---	2.81	2.79	2.89	2.99	2.74	2.81	2.92	2.62	2.58	2.57
MAX	---	3.68	3.20	3.21	3.83	4.79	3.03	3.45	4.34	2.92	2.75	2.67
MIN	2.64	2.71	2.76	2.74	2.73	2.73	2.62	2.60	2.63	2.57	2.54	2.53

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA

LOCATION.--Lat 31°42'23", long 91°27'42", lot 46, T.8 N., R. 10 E., Concordia Parish, Hydrologic Unit 08040306, near left bank on upstream side of bridge on State Highway 568, 8.0 mi (12.9 km) southwest of Waterproof.

DRAINAGE AREA.--14.8 mi^2 (38.3 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1967 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 19, 1981, water-stage recorder at site 8.5 mi (13.7 km) southwest of Waterproof at same datum and prior to Oct. 1, 1976, at datum 50.00 ft (15.240 m) higher.

REMARKS.--Lake is formed from an oxbow lake by four control structures; two are on Buckner Bayou. Buckner Bayou floodgate consists of two 4.0-ft (1.22-m) pipes (invert elevations, 47.9 ft or 14.60 m) with stoplogs which raise elevation to 53.0 ft (16.15 m). Structure built about 1948. Adjacent to the floodgate is Buckner Bayou weir, which was built about 1975. The weir has a 30-ft (9.1-m) length with crest elevation of 53.0 ft (16.15 m).

Lake St. John Control Structure is on lateral canal 2-A near southern end of Lake St. John on west side of lake. This structure consists of two 8.5-by 3.5-ft (2.59- by 1.07-m) timber gates with invert of gates at elevation 53.0 ft (16.15 m) and was built about 1967.

Little Tensas Bayou Control Structure is located at northeast of end of Lake St. John and consists of a 5.0-ft (1.52-m) pipe with flap valve. Invert of pipe is 50.3 ft (15.33 m) elevation.

Lake is used for conservation and flood control.

Elevations for Sept. 1-13, 19-30 are from graph based on once-daily staff gage readings.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 58.17 ft (17.730 m), present datum, May 13, 1973; minimum, 50.95 ft (15.530 m), present datum, Sept. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 52.70 ft (16.063 m) June 11; minimum, 50.95 ft (15.530 m) Sept. 30.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.04	51.85	51.79	51.59	51.49	51.75	52.20	52.00	52.33	52.28	51.82	51.19
2	52.02	51.83	51.79	51.58	51.67	51.76	52.20	52.17	52.30	52.32	51.80	51.18
3	52.00	51.82	51.79	51.57	51.66	51.75	52.17	51.96	52.46	52.35	51.77	51.18
4	51.96	51.81	51.77	51.57	51.66	51.81	52.16	51.93	52.48	52.33	51.76	51.17
5	51.93	51.80	51.76	51.55	51.65	52.14	52.17	52.03	52.49	52.30	51.74	51.16
6	51.90	51.79	51.76	51.54	51.70	52.18	52.15	52.04	52.59	52.31	51.72	51.16
7	51.87	51.77	51.76	51.61	51.70	52.18	52.13	52.03	52.64	52.29	51.69	51.15
8	51.85	51.77	51.75	51.60	51.72	52.17	52.10	52.01	52.63	52.30	51.72	51.14
9	51.84	51.76	51.81	51.59	51.69	52.15	52.10	52.00	52.62	52.29	51.69	51.13
10	51.82	51.75	51.86	51.59	51.83	52.13	52.08	52.05	52.60	52.27	51.67	51.12
11	51.82	51.75	51.83	51.57	51.86	52.12	52.07	52.03	52.59	52.25	51.65	51.12
12	51.79	51.73	51.81	51.56	51.85	52.11	52.06	52.02	52.66	52.23	51.63	51.11
13	51.77	51.72	51.81	51.54	51.83	52.11	52.05	52.00	52.64	52.25	51.61	51.21
14	51.75	51.70	51.81	51.53	51.82	52.10	52.03	52.03	52.62	52.23	51.58	51.38
15	51.73	51.70	51.79	51.53	51.82	52.08	52.02	52.03	52.60	52.21	51.56	51.31
16	51.72	51.70	51.78	51.52	51.81	52.08	52.00	52.00	52.57	52.18	51.54	51.29
17	51.71	51.80	51.77	51.51	51.82	52.06	51.98	52.02	52.55	52.16	51.53	51.26
18	51.97	51.78	51.75	51.49	51.81	52.03	51.97	52.01	52.53	52.13	51.52	51.22
19	51.99	51.75	51.75	51.48	51.80	52.03	51.96	52.01	52.51	52.11	51.49	51.12
20	51.97	51.74	51.77	51.54	51.80	51.99	51.93	51.99	52.49	52.09	51.46	51.08
21	51.95	51.73	51.70	51.55	51.80	51.98	51.93	51.97	52.46	52.07	51.44	51.05
22	51.94	51.72	51.68	51.55	51.80	52.01	51.91	51.94	52.44	52.05	51.42	51.03
23	51.92	51.75	51.67	51.54	51.79	52.00	51.89	51.91	52.42	52.03	51.39	51.03
24	51.91	51.75	51.67	51.53	51.78	51.98	51.92	51.88	52.40	52.01	51.37	51.02
25	51.89	51.74	51.67	51.53	51.77	51.97	51.91	51.86	52.38	51.98	51.34	51.01
26	51.87	51.77	51.64	51.53	51.76	51.96	51.90	52.31	52.39	51.95	51.32	51.00
27	51.84	51.83	51.64	51.52	51.75	51.94	51.87	52.39	52.38	51.93	51.30	50.99
28	51.93	51.82	51.63	51.52	51.74	51.93	51.86	52.38	52.35	51.91	51.27	50.98
29	51.91	51.81	51.61	51.51	---	51.92	51.84	52.37	52.33	51.89	51.24	50.98
30	51.88	51.80	51.61	51.51	---	52.19	51.82	52.36	52.31	51.87	51.22	50.97
31	51.86	---	51.59	51.50	---	52.20	---	52.34	---	51.84	51.20	---
MEAN	51.88	51.77	51.74	51.54	51.76	52.03	52.01	52.07	52.49	52.14	51.53	51.12
MAX	52.04	51.85	51.86	51.61	51.86	52.20	52.20	52.39	52.66	52.35	51.82	51.38
MIN	51.71	51.70	51.59	51.48	51.49	51.75	51.82	51.86	52.30	51.84	51.20	50.97

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected 1.5 mi (2.4 km) southeast of gage.

PERIOD OF RECORD.--Water years 1963, 1967, 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV									
21...	1030	127	7.0	14.0	5	5.0	8.7	3.7	<5
JAN									
06...	1045	139	8.2	8.0	5	7.0	12.9	5.2	<2
APR									
21...	1230	140	8.1	27.0	5	1.0	8.1	--	K2
JUL									
23...	1000	144	8.6	34.0	5	3.0	10.9	4.0	K8

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
NOV									
21...	<5	47	0	13	3.5	5.6	4.5	49	1.0
JAN									
06...	K4	52	3	14	4.1	6.3	4.0	49	7.4
APR									
21...	K6	51	0	14	3.9	7.2	4.4	53	6.6
JUL									
23...	K120	52	0	14	4.1	6.7	4.6	56	1.0

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
NOV								
21...	8.8	.1	5.5	87	71	.28	1.5	.05
JAN								
06...	8.7	.2	2.8	75	76	.00	1.1	.03
APR								
21...	10	.1	1.1	84	79	.01	.78	.05
JUL								
23...	10	.1	3.8	91	78	.10	2.0	.10

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV											
21...	1	17	<1	1	10	0	2	28	10	11000	2

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV											
21...	120	2	870	.0	.06	4	70	9.3	.00	0	<.1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV											
21...	<1	<.1	<1	<.01	<.1	<.1	17	<.01	27	<.01	69

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
21...	<.01	5.6	.02	<.1	<.01	.8	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV										
21...	<.01	<.1	<.1	<1	<.01	<.1	.03	.00	.00	.00

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML)
NOV	
21...	630000
JAN	
06...	190000
JUL	
23...	700000

< Actual value is known to be less than the value shown.

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO JULY 1981

DATE	NOV 21,80	JAN 6,81	APR 21,81	JUL 23,81
TIME	1030	1045	1230	1000
TOTAL CELLS/ML	630000	190000	45000	700000
DIVERSITY: DIVISION	0.2	0.8	0.8	0.0
.CLASS	0.2	0.8	0.8	0.0
..ORDER	1.0	0.9	1.4	0.1
...FAMILY	1.3	1.0	1.7	0.8
....GENUS	2.1	2.0	2.6	1.1

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	*	0	--	-
...MICRACTINIACEAE								
....MICRACTINIUM	*	0	--	-	300	1	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	6600	1	*	0	1300	3	--	-
....CHODATELLA	--	-	--	-	300	1	--	-
....DICTYOSPHAERIUM	--	-	*	0	300	1	--	-
....GLOEOACTINIUM	--	-	--	-	--	-	*	0
....OOCYSTIS	--	-	2300	1	*	0	--	-
....SELENASTRUM	*	0	--	-	1600	4	--	-
....TETRAEDRON	--	-	--	-	*	0	*	0
....TREUBARIA	*	0	*	0	*	0	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	--	-	590	1	--	-
....SCENEDESMUS	*	0	*	0	590	1	*	0
....TETRASTRUM	*	0	--	-	590	1	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	*	0	*	0	--	-	--	-
....CHLOROGONIUM	*	0	--	-	--	-	--	-
..ZYGNEMATALES								
...DESMIDIACEAE								
....EUASTRUM	--	-	--	-	*	0	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	*	0	--	-	740	2	--	-
....MELOSIRA	*	0	10000	6	*	0	--	-
....STEPHANODISCUS	--	-	9000	5	*	0	--	-
..PENNALES								
...FRAGILARIACEAE								
....FRAGILARIA	--	-	1300	1	--	-	--	-
....SYNEDRA	--	-	*	0	--	-	--	-
...NAVICULACEAE								
....NAVICULA	--	-	*	0	--	-	--	-
...NITZSCHIACEAE								
....NITZSCHIA	*	0	6800	4	890	2	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	96000#	15	85000#	45	6800#	15	*	0
....ANACYSTIS	44000	7	69000#	37	23000#	52	--	-
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	2500	5	7200	1
....ANABAENOPSIS	39000	6	--	-	--	-	17000	2
....CYLINDROSPERMUM	--	-	--	-	--	-	520000#	74
...OSCILLATORIACEAE								
....LYNGBYA	97000#	16	--	-	--	-	14000	2
....OSCILLATORIA	330000#	53	--	-	3700	8	130000#	19
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....PHACUS	--	-	*	0	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07373280 LAKE CONCORDIA AT FERRIDAY, LA

LOCATION.--LAT 31°37'30", long 91°32'35", in lot 57, T.8 N., R.9 E., Concordia Parish, Hydrologic Unit 08040306, on upstream side of second control structure at Ferriday. "Prior to Apr. 9, 1981, at site 3.5 mi (5.6 km) northeast of Ferriday."

DRAINAGE AREA.--8.91 mi^2 (23.08 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1967 to September 1976 (gage heights only). October 1976 to current year (elevations only). Published as Lake Concordia near Ferriday, January 1967 to September 1980.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976, at datum 28.00 ft (8.534 m) higher. Prior to Apr. 9, 1981, at site 3.5 mi (5.6 km) northeast of Ferriday at same datum.

REMARKS.--Lake is formed from an oxbow lake by two adjacent structures on Bayou Cocodrie. One structure, built about 1948, is a 4.0-ft (1.22-m) pipe with invert at 46.0 ft (14.02 m). The second structure is a 5.0-ft (1.52-m) pipe with a single gate. The invert of this pipe is 42.0 ft (12.80 m). This structure was built about 1975 to permit the lowering of the lake when needed. Lake is used for conservation and flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 55.33 ft (16.865 m), present datum, May 14, 1973; minimum, 48.87 ft (14.896 m), present datum, Dec. 9, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 49.53 ft (15.097 m) June 11; minimum, 47.80 ft (14.569 m) Sept. 13.

REVISIONS.--Revised figures of elevation (in feet) for the water years 1977-80, superseding those published in WDR LA-77-1 to -80-1 are given herein:

Water year	Date	Maximum elevation (ft)	Maximum elevation (m)	Date	Minimum elevation (ft)	Minimum elevation (m)
1977	Apr. 23	50.24	15.313	Oct. 28, 29	48.03	14.640
1978	Feb. 1	49.72	15.155	Nov. 1	48.21	14.694
1979	Apr. 24, 25, 26	15.56	15.715	Nov. 24, 25, 26	47.91	14.603
1980	Mar. 30	51.89	15.816	Sept. 28	48.28	14.716

ELEVATION (FEET NGVD), WATER YEAR OCTOBER .976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.27	48.15	48.16	48.35	48.72	48.70	49.32	49.84	48.92	48.49	48.45	48.74
2	48.26	48.14	48.16	48.34	48.71	48.69	49.31	49.97	48.89	48.47	48.68	48.72
3	48.24	48.14	48.15	48.44	48.75	48.69	49.36	49.96	48.86	48.45	48.66	48.70
4	48.23	48.13	48.14	48.44	48.78	49.58	49.61	49.91	48.83	48.43	48.64	48.68
5	48.22	48.12	48.14	48.43	48.76	49.70	49.72	49.87	48.81	48.42	48.64	48.68
6	48.35	48.11	48.16	48.42	48.75	49.79	49.73	49.82	48.81	48.40	48.65	48.68
7	48.33	48.10	48.20	48.45	48.72	49.80	49.71	49.78	48.76	48.38	48.64	48.67
8	48.30	48.09	48.19	48.45	48.71	49.78	49.68	49.73	48.74	48.36	48.62	48.66
9	48.28	48.09	48.18	48.68	48.70	49.75	49.64	49.76	48.72	48.37	48.60	48.65
10	48.27	48.08	48.16	48.80	48.69	49.71	49.59	49.69	48.70	48.38	48.59	48.69
11	48.27	48.08	48.18	48.80	48.70	49.69	49.55	49.64	48.69	48.40	48.56	48.68
12	48.26	48.12	48.24	48.79	48.71	49.70	49.51	49.59	48.67	48.40	48.64	48.66
13	48.25	48.10	48.26	48.78	48.71	49.67	49.46	49.55	48.66	48.39	48.63	48.65
14	48.25	48.13	48.26	48.93	48.70	49.61	49.42	49.51	48.67	48.38	48.81	48.68
15	48.23	48.12	48.27	48.93	48.67	49.57	49.38	49.47	48.77	48.36	48.80	48.66
16	48.22	48.11	48.27	48.91	48.66	49.54	49.34	49.43	48.76	48.36	48.79	48.66
17	48.19	48.11	48.26	48.88	48.65	49.49	49.31	49.39	48.76	48.35	48.78	48.65
18	48.16	48.10	48.26	48.82	48.64	49.46	49.27	49.35	48.74	48.35	48.76	48.64
19	48.15	48.11	48.26	48.83	48.64	49.41	49.26	49.31	48.72	48.34	48.79	48.63
20	48.14	48.14	48.29	48.82	48.64	49.38	49.23	49.27	48.71	48.37	48.76	48.63
21	48.12	48.15	48.27	48.81	48.62	49.35	49.85	49.23	48.69	48.36	48.75	48.61
22	48.11	48.14	48.26	48.78	48.61	49.28	50.18	49.20	48.68	48.35	48.79	48.60
23	48.10	48.13	48.26	48.77	48.61	49.27	50.23	49.17	48.66	48.34	48.77	48.58
24	48.10	48.12	48.25	48.81	48.70	49.23	50.21	49.13	48.64	48.40	48.90	48.57
25	48.11	48.12	48.29	48.81	48.68	49.21	50.17	49.10	48.62	48.39	48.88	48.56
26	48.09	48.13	48.41	48.80	48.67	49.18	50.12	49.07	48.60	48.43	48.87	48.56
27	48.06	48.12	48.41	48.79	48.73	49.17	50.06	49.05	48.58	48.41	48.85	48.54
28	48.03	48.12	48.41	48.77	48.71	49.25	50.00	49.03	48.55	48.39	48.82	48.53
29	48.03	48.18	48.40	48.72	---	49.21	49.94	49.00	48.53	48.41	48.81	48.52
30	48.18	48.18	48.40	48.71	---	49.19	49.89	48.97	48.51	48.47	48.78	48.51
31	48.16	---	48.36	48.73	---	49.14	---	48.94	---	48.47	48.76	---
MEAN	48.19	48.12	48.26	48.70	48.69	49.39	49.67	49.44	48.71	48.40	48.72	48.63
MAX	48.35	48.18	48.41	48.93	48.78	49.80	50.23	49.97	48.92	48.49	48.90	48.74
MIN	48.03	48.08	48.14	48.34	48.61	48.69	49.23	48.94	48.51	48.34	48.45	48.51

07373280 LAKE CONCORDIA AT FERRIDAY, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.50	48.21	49.01	48.97	49.67	49.32	49.01	48.74	49.19	48.86	48.59	48.61
2	48.48	48.40	49.03	48.95	49.71	49.32	48.99	48.71	49.31	48.85	48.59	48.59
3	48.46	48.38	49.04	48.93	49.71	49.29	48.98	48.76	49.29	48.83	48.58	48.59
4	48.43	48.36	49.03	48.92	49.70	49.25	48.96	48.77	49.27	48.81	48.56	48.61
5	48.41	48.42	49.03	48.91	49.68	49.24	48.96	48.76	49.25	48.87	48.54	48.59
6	48.39	48.41	48.98	48.91	49.65	49.22	48.94	48.75	49.22	48.85	48.51	48.58
7	48.38	48.40	48.96	48.90	49.61	49.21	48.93	48.98	49.20	48.83	48.50	48.57
8	48.38	48.41	48.94	48.93	49.58	49.26	48.92	49.26	49.31	48.80	48.50	48.56
9	48.39	48.49	48.94	48.89	49.56	49.24	48.91	49.36	49.34	48.78	48.49	48.54
10	48.36	48.46	48.92	48.88	49.53	49.22	48.90	49.38	49.32	48.76	48.48	48.53
11	48.40	48.44	48.89	48.86	49.51	49.20	48.93	49.37	49.30	48.74	48.51	48.53
12	48.38	48.42	48.88	48.86	49.49	49.18	48.92	49.52	49.29	48.72	48.51	48.52
13	48.36	48.41	48.87	48.85	49.68	49.17	48.91	49.52	49.25	48.71	48.50	48.55
14	48.35	48.40	49.12	48.83	49.66	49.22	48.90	49.48	49.21	48.69	48.50	48.56
15	48.33	48.39	49.13	48.82	49.63	49.20	48.88	49.46	49.19	48.69	48.56	48.56
16	48.31	48.39	49.13	48.83	49.62	49.17	48.88	49.43	49.17	48.74	48.55	48.55
17	48.30	48.38	49.13	48.88	49.60	49.16	48.88	49.40	49.15	48.72	48.54	48.54
18	48.29	48.37	49.11	48.89	49.58	49.14	48.88	49.53	49.12	48.70	48.53	48.52
19	48.28	48.37	49.10	48.89	49.55	49.12	48.86	49.52	49.10	48.69	48.51	48.53
20	48.28	48.42	49.07	48.91	49.54	49.10	48.82	49.50	49.08	48.68	48.50	48.52
21	48.26	48.42	49.05	48.90	49.50	49.09	48.79	49.48	49.06	48.66	48.48	48.50
22	48.25	48.45	49.02	48.89	49.47	49.08	48.79	49.47	49.03	48.65	48.47	48.47
23	48.25	48.45	49.00	48.88	49.45	49.07	48.77	49.44	49.01	48.63	48.46	48.46
24	48.25	48.45	48.99	49.09	49.42	49.13	48.77	49.41	48.99	48.69	48.45	48.44
25	48.26	48.45	48.97	49.42	49.40	49.11	48.80	49.38	48.97	48.67	48.43	48.41
26	48.26	48.41	48.96	49.56	49.37	49.09	48.78	49.34	48.95	48.66	48.42	48.39
27	48.26	48.43	48.94	49.57	49.36	49.07	48.76	49.31	48.92	48.65	48.40	48.38
28	48.24	48.41	48.92	49.57	49.36	49.06	48.74	49.30	48.93	48.64	48.38	48.38
29	48.23	48.49	48.93	49.56	---	49.04	48.74	49.28	48.91	48.63	48.68	48.38
30	48.23	48.93	49.00	49.54	---	49.03	48.73	49.25	48.89	48.62	48.65	48.37
31	48.22	---	48.98	49.54	---	49.02	---	49.22	---	48.61	48.62	---
MEAN	48.33	48.43	49.00	49.04	49.56	49.16	48.87	49.26	49.14	48.72	48.52	48.51
MAX	48.50	48.93	49.13	49.57	49.71	49.32	49.01	49.53	49.34	48.87	48.68	48.61
MIN	48.22	48.21	48.87	48.82	49.36	49.02	48.73	48.71	48.89	48.61	48.38	48.37

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.35	48.01	48.13	48.50	50.56	50.52	49.84	51.26	49.98	49.40	49.19	48.65
2	48.34	48.00	48.13	48.55	50.50	50.47	49.91	51.20	49.96	49.40	49.17	48.63
3	48.34	47.99	48.14	48.54	50.48	50.71	49.90	51.14	49.94	49.38	49.15	48.62
4	48.39	47.98	48.24	48.54	50.46	50.79	50.07	51.14	49.90	49.37	49.13	48.61
5	48.38	47.98	48.25	48.53	50.43	50.77	50.06	51.11	49.87	49.35	49.10	48.60
6	48.36	47.96	48.24	48.60	50.49	50.74	50.04	51.05	49.84	49.33	49.08	48.59
7	48.34	47.98	48.25	48.63	50.59	50.70	50.03	50.99	49.81	49.31	49.05	48.58
8	48.32	47.97	48.26	48.84	50.57	50.65	50.02	50.94	49.77	49.29	49.02	48.57
9	48.30	47.96	48.29	48.84	50.52	50.61	50.02	50.90	49.73	49.28	49.00	48.54
10	48.29	47.95	48.27	48.84	50.47	50.55	50.01	50.84	49.72	49.27	48.98	48.52
11	48.28	47.95	48.25	48.81	50.41	50.55	50.02	50.80	49.74	49.25	48.95	48.51
12	48.27	47.94	48.25	48.80	50.37	50.50	50.08	50.81	49.68	49.28	48.92	48.48
13	48.26	47.94	48.24	48.81	50.31	50.45	50.20	50.74	49.65	49.26	48.89	48.48
14	48.23	47.94	48.22	48.78	50.27	50.38	50.20	50.69	49.60	49.26	48.88	48.45
15	48.21	47.93	48.22	48.77	50.23	50.35	50.18	50.63	49.57	49.27	48.86	48.42
16	48.20	47.98	48.22	48.77	50.15	50.31	50.14	50.57	49.53	49.25	48.84	48.39
17	48.17	47.99	48.21	48.76	50.11	50.27	50.10	50.52	49.50	49.24	48.82	48.38
18	48.15	47.97	48.20	48.76	50.20	50.23	50.08	50.47	49.47	49.22	48.80	48.41
19	48.14	47.95	48.20	48.80	50.17	50.20	50.04	50.42	49.44	49.21	48.79	48.41
20	48.13	47.95	48.21	50.19	50.14	50.20	50.01	50.37	49.41	49.22	48.78	48.47
21	48.13	47.93	48.21	50.60	50.14	50.17	49.99	50.32	49.39	49.21	48.76	48.90
22	48.12	47.93	48.21	50.65	50.10	50.13	50.50	50.27	49.35	49.19	48.75	48.88
23	48.11	47.93	48.20	50.65	50.12	50.17	51.41	50.24	49.33	49.16	48.74	48.86
24	48.09	47.93	48.20	50.70	50.59	50.09	51.54	50.19	49.30	49.13	48.72	48.84
25	48.09	47.91	48.18	50.66	50.65	50.04	51.56	50.13	49.30	49.12	48.71	48.82
26	48.08	47.91	48.17	50.67	50.62	50.00	51.53	50.08	49.28	49.24	48.70	48.80
27	48.07	48.02	48.15	50.69	50.59	49.97	51.52	50.03	49.24	49.31	48.70	48.79
28	48.05	47.99	48.15	50.63	50.56	49.95	51.46	49.98	49.22	49.29	48.68	48.78
29	48.04	48.12	48.13	50.57	---	49.92	51.39	49.95	49.20	49.27	48.68	48.77
30	48.02	48.14	48.27	50.51	---	49.88	51.32	49.97	49.18	49.25	48.66	48.76
31	48.01	---	48.36	50.61	---	49.85	---	50.01	---	49.22	48.65	---
MEAN	48.20	47.97	48.21	49.45	50.39	50.33	50.44	50.57	49.56	49.27	48.88	48.62
MAX	48.39	48.14	48.36	50.70	50.65	50.79	51.56	51.26	49.98	49.40	49.19	48.90
MIN	48.01	47.91	48.13	48.50	50.10	49.85	49.84	49.95	49.18	49.12	48.65	48.38

07373280 LAKE CONCORDIA AT FERRIDAY, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.75	48.55	49.00	49.90	50.18	49.91	51.87	51.27	50.45	49.79	49.31	48.74
2	48.73	48.54	48.99	49.87	50.14	49.85	51.83	51.20	50.40	49.77	49.30	48.72
3	48.71	48.52	48.99	49.86	50.10	49.86	51.85	51.32	50.34	49.75	49.28	48.70
4	48.69	48.51	48.99	49.86	50.06	49.83	51.80	51.27	50.29	49.73	49.26	48.68
5	48.68	48.50	48.99	49.85	50.04	49.87	51.74	51.21	50.24	49.71	49.23	48.66
6	48.66	48.50	48.99	49.84	50.02	49.85	51.67	51.16	50.19	49.69	49.21	48.66
7	48.65	48.48	48.99	49.83	49.99	49.86	51.64	51.09	50.13	49.67	49.19	48.64
8	48.64	48.47	48.97	49.81	49.96	49.86	51.58	51.02	50.10	49.72	49.18	48.63
9	48.63	48.48	48.98	49.79	50.19	49.84	51.49	50.95	50.04	49.70	49.16	48.62
10	48.60	48.52	48.97	49.79	50.47	49.84	51.42	50.89	49.99	49.68	49.15	48.60
11	48.59	48.50	48.98	50.30	50.49	49.81	51.35	50.85	49.95	49.67	49.13	48.58
12	48.57	48.49	49.02	50.37	50.48	49.82	51.57	50.80	49.91	49.65	49.12	48.56
13	48.57	48.48	49.99	50.37	50.46	49.82	51.66	50.75	49.88	49.63	49.10	48.55
14	48.52	48.47	50.21	50.36	50.43	49.80	51.68	50.71	49.85	49.61	49.08	48.54
15	48.52	48.47	50.24	50.33	50.40	49.78	51.65	50.66	49.82	49.59	49.06	48.52
16	48.52	48.46	50.23	50.30	50.35	49.79	51.59	50.86	49.79	49.57	49.04	48.50
17	48.51	48.46	50.17	50.27	50.30	50.43	51.53	51.03	49.76	49.55	49.02	48.49
18	48.51	48.45	50.15	50.23	50.28	50.54	51.51	51.02	49.75	49.53	49.00	48.47
19	48.50	48.45	50.10	50.19	50.25	50.54	51.47	51.05	49.74	49.50	48.98	48.45
20	48.50	48.45	50.06	50.15	50.21	50.65	51.42	51.01	49.79	49.48	48.97	48.44
21	48.50	48.46	50.03	50.11	50.18	50.85	51.36	50.97	49.78	49.46	48.95	48.42
22	48.50	48.50	50.02	50.11	50.15	50.86	51.30	50.97	49.76	49.44	48.93	48.41
23	48.57	48.76	50.00	50.45	50.12	50.83	51.24	50.92	49.98	49.44	48.89	48.40
24	48.56	48.81	50.14	50.46	50.08	50.88	51.17	50.87	49.99	49.43	48.86	48.38
25	48.54	48.96	50.10	50.43	50.04	50.84	51.09	50.83	49.97	49.41	48.84	48.37
26	48.53	49.00	50.07	50.43	49.98	50.82	51.47	50.79	49.94	49.40	48.83	48.34
27	48.53	49.01	50.03	50.39	49.96	50.83	51.48	50.73	49.90	49.38	48.80	48.32
28	48.52	49.00	50.00	50.35	49.94	51.29	51.44	50.69	49.88	49.37	48.79	48.29
29	48.52	49.01	49.97	50.29	49.91	51.35	51.39	50.63	49.85	49.36	48.79	48.32
30	48.51	49.01	49.95	50.26	---	51.84	51.32	50.57	49.82	49.34	48.77	48.35
31	48.58	---	49.92	50.20	---	51.88	---	50.51	---	49.33	48.76	---
MEAN	48.58	48.61	49.65	50.15	50.18	50.38	51.52	50.92	49.98	49.56	49.03	48.51
MAX	48.75	49.01	50.24	50.46	50.49	51.88	51.87	51.32	50.45	49.79	49.31	48.74
MIN	48.50	48.45	48.97	49.79	49.91	49.78	51.09	50.51	49.74	49.33	48.76	48.29

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0600

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.35	48.21	48.25	48.07	48.05	48.16	48.49	48.16	48.78	49.19	48.62	48.05
2	48.34	48.21	48.24	48.06	48.13	48.16	48.48	48.15	48.76	49.22	48.59	48.03
3	48.32	48.20	48.22	48.05	48.11	48.15	48.47	48.13	49.04	49.22	48.59	48.02
4	48.29	48.19	48.22	48.03	48.10	48.26	48.47	48.11	49.12	49.20	48.57	48.02
5	48.25	48.18	48.22	48.02	48.10	48.51	48.45	48.20	49.15	49.16	48.54	48.00
6	48.22	48.18	48.21	48.02	48.14	48.52	48.43	48.21	49.31	49.17	48.54	47.97
7	48.20	48.17	48.21	48.07	48.14	48.50	48.42	48.20	49.45	49.15	48.52	47.95
8	48.19	48.16	48.21	48.07	48.12	48.49	48.40	48.17	49.47	49.15	48.60	47.93
9	48.18	48.15	48.27	48.06	48.13	48.49	48.39	48.15	49.47	49.13	48.57	47.91
10	48.16	48.14	48.29	48.05	48.24	48.48	48.21	48.22	49.46	49.12	48.54	47.87
11	48.15	48.13	48.29	48.04	48.23	48.47	48.20	48.21	49.45	49.09	48.52	47.85
12	48.13	48.12	48.28	48.03	48.22	48.45	48.18	48.19	49.51	49.07	48.50	47.83
13	48.10	48.10	48.27	48.02	48.21	48.45	48.17	48.17	49.51	49.04	48.48	47.81
14	48.09	48.10	48.26	48.01	48.21	48.44	48.16	48.19	49.49	49.02	48.45	48.19
15	48.07	48.09	48.25	48.00	48.20	48.44	48.15	48.21	49.47	48.99	48.42	48.21
16	48.08	48.07	48.24	47.99	48.22	48.42	48.12	48.19	49.45	48.97	48.39	48.27
17	48.07	48.21	48.23	47.97	48.21	48.42	48.11	48.22	49.44	48.94	48.38	48.25
18	48.28	48.18	48.23	47.96	48.22	48.46	48.10	48.20	49.42	48.92	48.36	48.21
19	48.30	48.17	48.22	47.96	48.21	48.36	48.08	48.20	49.39	48.89	48.33	48.18
20	48.28	48.15	48.16	48.02	48.21	48.35	48.06	48.18	49.37	48.86	48.30	48.16
21	48.27	48.14	48.16	48.03	48.21	48.34	48.05	48.15	49.34	48.83	48.28	48.14
22	48.26	48.13	48.15	48.02	48.23	48.37	48.04	48.13	49.32	48.84	48.25	48.13
23	48.25	48.17	48.15	48.01	48.21	48.36	48.03	48.12	49.30	48.82	48.23	48.11
24	48.25	48.16	48.15	48.01	48.20	48.34	48.08	48.10	49.28	48.80	48.20	48.10
25	48.22	48.14	48.12	48.00	48.18	48.33	48.06	48.09	49.26	48.77	48.18	48.09
26	48.20	48.19	48.12	48.00	48.17	48.33	48.05	48.60	49.32	48.75	48.16	48.07
27	48.20	48.30	48.11	48.00	48.16	48.31	48.03	48.75	49.30	48.73	48.14	48.06
28	48.28	48.27	48.10	47.99	48.16	48.30	48.01	48.79	49.27	48.70	48.12	48.04
29	48.26	48.26	48.09	47.99	---	48.30	47.99	48.79	49.25	48.68	48.10	48.03
30	48.24	48.25	48.08	47.98	---	48.50	47.99	48.78	49.22	48.68	48.08	48.01
31	48.22	---	48.08	47.96	---	48.49	---	48.77	---	48.64	48.06	---
MEAN	48.22	48.17	48.20	48.02	48.18	48.39	48.20	48.28	49.31	48.96	48.37	48.05
MAX	48.35	48.30	48.29	48.07	48.24	48.52	48.49	48.79	49.51	49.22	48.62	48.27
MIN	48.07	48.07	48.08	47.96	48.05	48.15	47.99	48.09	48.76	48.64	48.06	47.81

07373280 LAKE CONCORDIA AT FERRIDAY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1961, 1967, 1978 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV 21...	1445	273	7.6	14.0	10	5.0	11.1	4.5	<5
JAN 06...	1015	259	8.2	8.0	5	3.0	13.1	5.9	K2
APR 21...	1200	275	7.5	26.5	10	3.0	6.8	--	K14
JUL 23...	0830	238	8.1	33.0	5	2.0	9.9	4.0	K20

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
NOV 21...	<5	110	0	23	12	8.2	4.2	123	.4
JAN 06...	K4	120	0	25	13	9.1	3.8	126	1.3
APR 21...	K10	120	0	29	12	9.0	3.9	134	.5
JUL 23...	140	98	0	21	11	7.7	4.3	112	1.0

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
NOV 21...	5.9	.2	6.2	142	134	.04	1.4	.05
JAN 06...	5.6	.2	3.6	152	138	.00	1.4	.03
APR 21...	6.0	.2	.5	152	141	.00	1.2	.07
JUL 23...	5.6	.1	4.5	130	122	.10	2.1	.11

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV 21...	3	14	<1	1	7	0	2	25	10	11000	0

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 21...	160	2	1200	.0	.06	5	65	8.9	.00	0	<.1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07373280 LAKE CONCORDIA AT FERRIDAY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV											
21...	<1	<.1	<1	<.01	<.1	<.1	7	<.01	4.9	<.01	13

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
21...	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV										
21...	<.01	<.1	<.1	<1	<.01	<.1	.01	.00	.00	.00

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML)
NOV	
21...	720000
JAN	
06...	30000
APR	
21...	89000
JUL	
23...	2700000

< Actual value is known to be less than the value shown.

07373280 LAKE CONCORDIA AT FERRIDAY, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO JULY 1981

	NOV 21,80	JAN 6,81	APR 21,81	JUL 23,81
TIME	1445	1015	1200	0830
TOTAL CELLS/ML	720000	30000	89000	2200000
DIVERSITY: DIVISION	0.3	1.3	1.0	0.1
.CLASS	0.3	1.3	1.0	0.1
..ORDER	0.7	1.8	1.9	0.2
...FAMILY	0.8	2.0	2.1	1.1
....GENUS	0.9	2.8	2.4	1.1

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	*	0	--	-
...COELASTRACEAE								
....COELASTRUM	--	-	--	-	--	-	*	0
...MICRACTINIACEAE								
....MICRACTINIUM	*	0	--	-	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	11000	1	450	2	2500	3	--	-
....CHODATELLA	--	-	*	0	*	0	--	-
....DICTYOSPHAERIUM	--	-	200	1	1700	2	--	-
....OOCYSTIS	--	-	*	0	--	-	--	-
....SELENASTRUM	*	0	750	3	1900	2	--	-
....TETRAEDRON	--	-	*	0	*	0	*	0
....TREUBARIA	*	0	--	-	*	0	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	1600	5	--	-	--	-
....CRUCIGENIA	--	-	400	1	580	1	--	-
....SCENEDESMUS	4600	1	150	1	2000	2	--	-
....TETRASTRUM	--	-	600	2	2900	3	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	*	0	700	2	870	1	--	-
....CHLOROGONIUM	*	0	--	-	*	0	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	4300	1	350	1	5400	6	--	-
....MELOSIRA	--	-	4100	14	--	-	--	-
....STEPHANODISCUS	--	-	*	0	--	-	--	-
..PENNALES								
...FRAGILARIACEAE								
....FRAGILARIA	--	-	*	0	--	-	--	-
....SYNEDRA	--	-	*	0	--	-	*	0
...NITZSCHIACEAE								
....NITZSCHIA	*	0	500	2	2300	3	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
.CRYPTOPHYCEAE								
..CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	*	0	*	0	--	-	--	-
...CRYPTOMONADACEAE								
....CRYPTOMONAS	*	0	*	0	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	3600	12	31000#	35	--	-
....ANACYSTIS	75000	10	14000#	47	1600	2	42000	2
....COCCOCHLORIS	--	-	*	0	--	-	--	-
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENOPSIS	4000	1	800	3	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	11000	2	--	-	--	-	--	-
....OSCILLATORIA	600000#	84	950	3	35000#	39	1300000#	59
...RIVULARIACEAE								
....RAPHIDIOPSIS	--	-	--	-	--	-	840000#	38
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....TRACHELOMONAS	*	0	150	1	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
 * - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA (CE 02600)

LOCATION.--Lat 31°03'55", long 91°41'15", Concordia Parish, Hydrologic Unit 08040301, at Corps of Engineers discharge range, 1.8 mi (2.9 km) above mouth, 5.5 mi (8.8 km) west of Old River Control Structure, and 5.6 miles (9.0 km) west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to September 1980.

COOPERATION.--Samples for suspended-sediment are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 646,000 tons (586,000 tonnes) Apr. 6, 1978; minimum daily, 1,000 tons (907 tonnes) Oct. 3, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
12...	176000	199	94600	83
26...	132000	211	75200	73
NOV				
09...	100000	169	45600	81
30...	146000	232	91500	93
DEC				
14...	200000	360	194000	92
JAN				
25...	132000	207	73800	96
FEB				
08...	92800	171	42800	96
MAR				
14...	123000	252	83700	91
28...	247000	429	286000	88
APR				
11...	306000	226	187000	75
26...	278000	296	222000	92
MAY				
09...	169000	177	80800	98
23...	57100	318	49000	99
JUN				
06...	123000	138	45800	96
20...	162000	723	316000	98
JUL				
03...	142000	368	141000	96
18...	123000	236	78400	97
AUG				
01...	107000	283	81800	98
15...	85400	127	29300	95
29...	131000	182	64400	91
SEP				
12...	78200	139	29300	99
26...	90100	170	41400	98

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA (CE 02600)--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114000	48000	103000	94000	70000	47000	264000	195000	74000	163000	82000	70000
2	122000	46000	111000	95000	72000	48000	255000	184000	68000	152000	79000	69000
3	120000	44000	117000	116000	72000	49000	243000	165000	67000	141000	76000	66000
4	120000	43000	151000	123000	68000	53000	237000	157000	62000	129000	71000	66000
5	121000	43000	171000	131000	54000	60000	234000	150000	53000	121000	64000	62000
6	118000	43000	181000	131000	46000	68000	225000	131000	46000	116000	55000	56000
7	114000	44000	202000	132000	45000	73000	218000	111000	38000	113000	50000	48000
8	110000	45000	219000	126000	43000	80000	214000	94000	41000	121000	47000	41000
9	106000	46000	231000	123000	39000	79000	200000	81000	44000	115000	44000	33000
10	92000	51000	237000	124000	41000	76000	194000	75000	38000	108000	42000	29000
11	90000	54000	259000	119000	39000	60000	186000	77000	43000	106000	39000	29000
12	94000	59000	245000	110000	20000	62000	195000	80000	61000	108000	35000	29000
13	88000	63000	227000	104000	17000	69000	203000	72000	91000	103000	31000	31000
14	87000	72000	194000	98000	16000	84000	207000	69000	139000	97000	30000	34000
15	85000	91000	170000	79000	12000	87000	231000	68000	159000	86000	29000	37000
16	79000	90000	162000	69000	12000	95000	233000	61000	183000	79000	31000	40000
17	75000	85000	154000	67000	12000	106000	226000	53000	230000	80000	32000	41000
18	72000	87000	135000	71000	12000	154000	217000	54000	275000	78000	33000	40000
19	68000	89000	113000	77000	12000	173000	214000	54000	294000	79000	33000	39000
20	67000	98000	110000	77000	12000	177000	215000	31000	316000	83000	33000	39000
21	68000	100000	115000	78000	9000	185000	219000	33000	320000	85000	34000	37000
22	69000	97000	130000	87000	11000	210000	210000	41000	299000	88000	38000	37000
23	72000	94000	131000	99000	24000	214000	203000	49000	284000	97000	41000	37000
24	71000	82000	132000	93000	24000	220000	209000	64000	253000	101000	45000	37000
25	74000	85000	131000	74000	25000	233000	215000	60000	223000	109000	51000	39000
26	75000	88000	129000	69000	25000	243000	222000	59000	214000	109000	54000	41000
27	73000	88000	118000	69000	30000	260000	218000	81000	217000	100000	56000	40000
28	69000	86000	110000	69000	36000	286000	211000	88000	214000	93000	60000	41000
29	67000	87000	105000	64000	42000	286000	206000	95000	202000	78000	64000	41000
30	56000	91000	102000	61000	---	273000	202000	89000	192000	76000	67000	41000
31	52000	---	100000	65000	---	264000	---	81000	---	79000	69000	---
TOTAL	2688000	2139000	4795000	2894000	940000	4374000	6526000	2702000	4740000	3193000	1515000	1290000
MEAN	86700	71300	155000	93400	32400	141000	218000	87200	158000	103000	48900	43000
MAX	122000	100000	259000	132000	72000	286000	264000	195000	320000	163000	82000	70000
MIN	52000	43000	100000	61000	9000	47000	186000	31000	38000	76000	29000	29000

WTR YR 1980 TOTAL 37796000 MEAN 103000 MAX 320000 MIN 9000

07381800 SPRING CREEK NEAR GLENMORA, LA

LOCATION.--Lat 31°00'10", long 92°34'10", in SE1/4NE1/4 sec.4, T. 1 S., R.2 W., Rapides Parish, Louisiana meridian, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 165, 0.2 mi (0.3 km) upstream from Missouri Pacific Railroad Co. bridge, 2.0 mi (3.2 km) north of Glenmora, and 7.9 mi (12.7 km) upstream from mouth.

DRAINAGE AREA.--68.4 mi^2 (177.2 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water-years 1954-56 (annual maximum), March 1956 to current year.

REVISED RECORDS.--WRD LA 1974: 1962(M), 1964(M), 1965(P), 1966(M), 1967-68(P), 1971-72(M), 1973(P).

GAGE.--Water-stage recorder. Datum of gage is 63.28 ft (19.288 m) National Geodetic Vertical Datum of 1929. Oct. 23, 1953, to Mar. 6, 1956, crest-stage gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--25 years, 90.4 ft^3/s (2.560 m^3/s), 17.95 in/yr (456 mm/yr), 65,490 acre-ft/yr (80.7 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,920 ft^3/s (196 m^3/s), Sept. 20, 1979, gage height, 17.55 ft (5.349 m); minimum, 27 ft^3/s (0.76 m^3/s) Sept. 20, Oct. 4, 5, 6, 1970; minimum gage height, 4.55 ft (1.387 m) Oct. 4, 5, 6, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1886, 20.50 ft (6.248 m) in May 1953; flood of June 1886 was similar, from floodmarks and information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 308 ft^3/s (8.72 m^3/s) Mar. 4, gage height, 9.13 ft (2.783 m), no peaks above base of 1,100 ft^3/s (31 m^3/s); minimum, 28 ft^3/s (0.79 m^3/s) Sept. 17, 18-19, 20, 21-30; minimum gage height, 4.63 ft (1.411 m) Sept. 23, 24, 25, 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	41	44	42	49	41	44	39	39	37	32	30
2	40	41	44	41	52	41	42	38	104	46	32	31
3	40	41	44	41	58	40	42	36	107	47	32	38
4	39	41	44	41	50	157	41	38	75	38	31	36
5	39	41	44	41	46	276	41	58	99	40	31	31
6	39	41	44	44	47	159	40	47	286	47	31	30
7	39	41	44	47	45	69	40	41	220	43	31	30
8	39	42	44	43	44	57	39	40	159	40	32	30
9	39	42	85	42	45	51	39	39	127	37	30	29
10	39	42	60	42	46	49	39	41	66	37	30	29
11	39	42	49	41	45	47	39	38	63	36	31	29
12	38	42	48	41	44	46	38	42	142	37	32	29
13	38	42	46	41	45	46	38	39	81	40	30	29
14	38	43	45	41	44	44	38	39	61	36	30	29
15	38	43	44	41	43	44	37	37	53	36	30	30
16	38	48	44	41	43	43	37	40	48	35	30	30
17	38	57	44	40	42	42	37	39	45	35	30	29
18	45	49	43	40	42	43	37	38	43	35	30	28
19	47	45	43	41	41	42	37	38	42	35	30	28
20	41	44	43	51	41	42	37	37	41	34	30	28
21	40	44	43	46	41	44	36	36	40	34	30	28
22	39	45	43	43	42	47	36	36	39	33	30	28
23	40	49	43	42	41	43	56	36	41	32	30	28
24	39	46	43	41	42	42	52	37	46	32	30	28
25	39	44	42	41	41	42	39	39	42	32	29	28
26	39	52	42	41	40	41	37	57	40	32	30	28
27	41	50	42	41	40	41	37	37	39	33	29	28
28	50	46	42	41	40	41	37	36	38	36	29	28
29	44	45	42	40	---	42	36	35	37	33	30	28
30	42	44	42	40	---	45	37	35	37	32	30	28
31	41	---	42	40	---	49	---	36	---	32	30	---
TOTAL	1248	1333	1412	1298	1239	1856	1165	1224	2300	1132	942	883
MEAN	40.3	44.4	45.5	41.9	44.3	59.9	39.5	39.5	76.7	36.5	30.4	29.4
MAX	50	57	85	51	58	276	56	58	286	47	32	38
MIN	38	41	42	40	40	40	36	35	37	32	29	28
CFSM	.59	.65	.67	.61	.65	.88	.58	.58	1.12	.53	.45	.43
IN.	.68	.73	.77	.71	.67	1.01	.65	.67	1.25	.62	.51	.48
AC-FT	2480	2640	2800	2570	2460	3680	2350	2430	4560	2250	1870	1750

CAL YR 1980 TOTAL 33898 MEAN 92.6 MAX 1520 MIN 38 CFSM 1.36 IN 18.46 AC-FT 67240
WTR YR 1981 TOTAL 16052 MEAN 44.0 MAX 286 MIN 28 CFSM .64 IN 8.74 AC-FT 31840

07381800 SPRING CREEK NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.96	4.95	5.03	4.97	5.13	4.95	5.02	4.91	4.91	4.86	4.73	4.68
2	4.94	4.95	5.03	4.96	5.20	4.96	4.98	4.88	6.13	5.07	4.73	4.70
3	4.93	4.95	5.02	4.96	5.33	4.94	4.98	4.85	6.15	5.09	4.73	4.89
4	4.92	4.95	5.02	4.97	5.15	6.83	4.96	4.88	5.67	4.89	4.72	4.84
5	4.92	4.95	5.02	4.96	5.07	8.67	4.95	5.34	5.99	4.94	4.72	4.71
6	4.91	4.95	5.02	5.01	5.09	7.00	4.93	5.08	8.82	5.07	4.72	4.69
7	4.91	4.96	5.02	5.09	5.04	5.58	4.92	4.96	7.87	5.01	4.72	4.68
8	4.91	4.97	5.03	5.00	5.03	5.30	4.92	4.93	7.00	4.94	4.73	4.68
9	4.91	4.97	5.85	4.98	5.04	5.18	4.92	4.92	6.53	4.87	4.70	4.67
10	4.90	4.98	5.38	4.97	5.07	5.12	4.91	4.95	5.52	4.86	4.69	4.66
11	4.90	4.98	5.14	4.96	5.04	5.09	4.90	4.89	5.45	4.85	4.71	4.66
12	4.89	4.98	5.11	4.96	5.03	5.06	4.90	4.97	6.75	4.86	4.73	4.67
13	4.89	4.99	5.07	4.96	5.05	5.06	4.89	4.91	5.81	4.93	4.70	4.67
14	4.89	5.00	5.04	4.96	5.02	5.03	4.88	4.91	5.40	4.84	4.70	4.66
15	4.89	5.00	5.02	4.96	5.00	5.01	4.87	4.87	5.22	4.83	4.69	4.68
16	4.89	5.12	5.02	4.95	4.99	4.99	4.87	4.92	5.10	4.82	4.69	4.68
17	4.89	5.31	5.01	4.94	4.99	4.98	4.87	4.92	5.04	4.82	4.68	4.66
18	5.05	5.13	5.01	4.94	4.97	4.99	4.87	4.88	5.00	4.81	4.68	4.65
19	5.08	5.04	5.01	4.95	4.96	4.98	4.87	4.88	4.97	4.80	4.69	4.65
20	4.95	5.02	4.99	5.18	4.96	4.98	4.86	4.87	4.95	4.79	4.69	4.65
21	4.93	5.02	4.99	5.06	4.95	5.01	4.85	4.85	4.94	4.79	4.68	4.65
22	4.92	5.05	4.99	4.99	4.98	5.09	4.85	4.84	4.92	4.77	4.68	4.64
23	4.93	5.13	5.00	4.97	4.95	5.00	5.29	4.84	4.96	4.74	4.68	4.64
24	4.92	5.06	5.00	4.96	4.98	4.98	5.21	4.86	5.07	4.73	4.68	4.64
25	4.92	5.03	4.98	4.95	4.95	4.97	4.90	4.91	4.97	4.73	4.67	4.64
26	4.92	5.19	4.99	4.95	4.94	4.96	4.87	5.31	4.93	4.73	4.68	4.64
27	4.96	5.16	4.98	4.95	4.93	4.96	4.86	4.87	4.92	4.76	4.67	4.64
28	5.15	5.07	4.98	4.94	4.94	4.95	4.85	4.83	4.89	4.83	4.67	4.64
29	5.02	5.04	4.98	4.93	---	4.97	4.85	4.82	4.87	4.77	4.68	4.64
30	4.97	5.03	4.98	4.93	---	5.05	4.86	4.81	4.86	4.75	4.68	4.64
31	4.96	---	4.97	4.93	---	5.13	---	4.83	---	4.74	4.68	---
MEAN	4.94	5.03	5.05	4.97	5.03	5.28	4.92	4.92	5.59	4.85	4.70	4.67
MAX	5.15	5.31	5.85	5.18	5.33	8.67	5.29	5.34	8.82	5.09	4.73	4.89
MIN	4.89	4.95	4.97	4.93	4.93	4.94	4.85	4.81	4.86	4.73	4.67	4.64

07381800 SPRING CREEK NEAR GLENMORA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1966-69, 1980 to July 1981 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT										
21...	1130	40	42	6.0	15.0	10	.00	8.9	.7	170
JAN										
05...	1145	41	50	5.9	7.0	5	2.0	10.1	3.4	420
APR										
06...	1300	40	46	6.2	19.5	5	5.0	7.4	.0	130
JUL										
13...	1700	39	45	6.0	25.5	0	3.0	7.3	.4	150

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT										
21...	230	8	0	2.2	.7	5.2	1.4	13	1.7	4.1
JAN										
05...	K30	9	0	2.3	.7	5.4	1.5	13	2.2	4.2
APR										
06...	K50	8	0	2.2	.7	5.4	1.4	16	1.3	3.8
JUL										
13...	6600	8	0	2.0	.7	5.1	1.3	13	2.0	3.9

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT									
21...	.1	26	48	49	--	--	.03	.27	.23
JAN									
05...	.1	27	54	51	--	--	.00	.49	.02
APR									
06...	.0	24	51	49	.07	.00	.07	.64	.05
JUL									
13...	.0	26	51	49	--	--	.08	.31	.00

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT											
21...	1	0	<1	0	3	0	2	1	130	250	3

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT										
21...	10	30	15	.0	.00	4	2	4.2	.00	2

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07381800 SPRING CREEK NEAR GLENMORA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT											
21...	.0	0	.0	0	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
21...	.0	.00	.1	.00	.0	.00	.0	.00	.0	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
21...	.00	.0	.0	0	.00	.0	.00	.00	.00	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
21...	22	2.4	71
JAN			
05...	13	1.4	89

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

LOCATION.--Lat 31°00'00", long 92°22'46", in NW1/4SW1/4 sec.4, T.1 S., R.1 E., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 167, 1,000 ft (305 m) downstream from Cocodrie Lake dam, 1.0 mi (1.6 km) downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 mi (2.4 km) east of Clearwater, 4.0 mi (6.4 km) south of Meeker, and 5.0 mi (8.0 km) downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi^2 (622 km^2).

PERIOD OF RECORD.--May 1922 to January 1925 (published as "near Meeker"), October 1937 to current year. Monthly discharge only for October 1937 published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1938, drainage area. WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) above mean Gulf level (levels by Corps of Engineers) and 39.57 ft (12.061 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). See WSP 1731 for history of changes prior to Mar. 28, 1940. Since Jan. 23, 1945, auxiliary nonrecording gage 6.6 mi (10.6 km) downstream from base gage at datum 35.10 ft (10.698 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Slight regulation at low flow by Cocodrie Lake. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--46 years (water years 1923-24, 1938-81), 414 ft^3/s (11.72 m^3/s), 23.43 in/yr (595 mm/yr), 299,900 acre-ft/yr (370 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,200 ft^3/s (799 m^3/s) May 18, 1953, gage height, 26.72 ft (8.144 m); reverse flow Nov. 13-15, 1922, probably caused by heavy rains in basin below station; minimum discharge, 6.4 ft^3/s (0.18 m^3/s) Oct. 14, 15, 1980, regulated.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 854 ft^3/s (24.2 m^3/s) June 8, gage height, 13.80 ft (4.206 m); minimum , 6.4 ft^3/s (0.18 m^3/s) Oct. 14, 15, gage height, 3.76 ft (1.146 m), regulated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	94	101	66	121	86	307	154	122	163	97	97
2	99	94	101	68	144	85	275	205	226	170	90	97
3	103	94	101	73	150	91	251	171	317	236	86	97
4	105	94	101	73	151	269	230	163	403	257	81	97
5	105	93	98	74	150	607	209	303	547	269	75	97
6	103	92	98	79	160	760	186	387	775	329	69	98
7	102	92	99	89	162	766	167	428	825	428	65	97
8	100	91	99	94	160	736	153	415	842	488	67	96
9	98	89	147	98	157	676	141	380	830	498	107	96
10	95	87	118	98	165	593	130	355	809	462	108	96
11	93	86	91	97	143	516	120	314	806	437	104	95
12	90	85	77	97	135	450	113	274	827	386	104	95
13	87	86	76	98	132	398	104	242	847	344	100	95
14	21	86	76	97	128	352	97	220	840	306	98	95
15	50	85	77	99	123	314	88	198	818	273	99	95
16	95	86	70	109	118	276	84	189	790	231	100	94
17	92	89	47	108	117	246	81	192	756	204	99	93
18	89	91	42	106	120	221	78	187	702	180	98	93
19	92	97	44	105	120	195	73	176	623	158	98	92
20	93	99	71	121	116	175	69	161	544	142	98	92
21	96	100	104	130	113	163	64	145	469	124	98	91
22	97	101	104	132	111	170	61	131	400	110	97	90
23	98	104	96	131	107	160	75	120	359	104	96	89
24	97	106	76	129	102	151	111	119	388	105	97	88
25	96	107	71	126	98	145	122	139	363	117	96	88
26	94	113	73	123	95	136	120	188	317	112	97	87
27	93	102	73	119	92	127	114	175	277	121	95	86
28	94	99	73	118	90	119	107	164	242	138	96	85
29	92	99	72	115	---	159	101	150	214	129	96	84
30	93	100	68	112	---	279	111	136	187	118	96	83
31	94	---	68	108	---	350	---	122	---	109	96	---
TOTAL	2851	2841	2612	3192	3580	9771	3942	6703	16465	7248	2903	2778
MEAN	92.0	94.7	84.3	103	128	315	131	216	549	234	93.6	92.6
MAX	105	113	147	132	165	766	307	428	847	498	108	98
MIN	21	85	42	66	90	85	61	119	122	104	65	83
CFSM	.38	.40	.35	.43	.53	1.31	.55	.90	2.29	.98	.39	.39
IN.	.44	.44	.40	.49	.55	1.51	.61	1.04	2.55	1.12	.45	.43
AC-FT	5650	5640	5180	6330	7100	19380	7820	13300	32660	14380	5760	5510

CAL YR 1980 TOTAL 173936 MEAN 475 MAX 2020 MIN 21 CFSM 1.98 IN 26.96 AC-FT 345000
WTR YR 1981 TOTAL 64886 MEAN 178 MAX 847 MIN 21 CFSM .74 IN 10.06 AC-FT 128700

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.53	5.52	5.63	5.11	5.99	5.38	8.51	6.52	6.00	6.68	5.57	5.56
2	5.59	5.52	5.64	5.14	6.36	5.35	8.16	7.28	7.55	6.77	5.45	5.56
3	5.67	5.51	5.64	5.22	6.47	5.46	7.88	6.80	8.61	7.69	5.37	5.56
4	5.70	5.50	5.64	5.22	6.49	7.84	7.61	6.67	9.48	7.95	5.29	5.57
5	5.70	5.49	5.63	5.23	6.47	11.50	7.34	8.45	10.91	8.08	5.19	5.56
6	5.68	5.48	5.63	5.30	6.62	12.96	7.03	9.32	13.08	8.73	5.06	5.58
7	5.65	5.47	5.64	5.45	6.66	13.03	6.75	9.73	13.54	9.73	4.99	5.58
8	5.62	5.46	5.65	5.54	6.63	12.76	6.53	9.60	13.69	10.33	5.02	5.55
9	5.58	5.42	6.43	5.63	6.58	12.19	6.35	9.25	13.58	10.43	5.75	5.55
10	5.54	5.40	5.96	5.62	6.70	11.43	6.17	9.00	13.39	10.07	5.76	5.56
11	5.49	5.37	5.51	5.61	6.35	10.71	6.00	8.58	13.36	9.82	5.70	5.54
12	5.44	5.36	5.27	5.61	6.22	10.05	5.88	8.15	13.55	9.31	5.68	5.54
13	5.40	5.37	5.26	5.62	6.16	9.52	5.74	7.76	13.74	8.89	5.62	5.54
14	4.11	5.37	5.26	5.61	6.10	9.02	5.60	7.49	13.68	8.50	5.58	5.54
15	4.69	5.36	5.27	5.64	6.02	8.59	5.45	7.18	13.47	8.13	5.60	5.54
16	5.54	5.37	5.16	5.81	5.93	8.17	5.37	7.06	13.22	7.61	5.63	5.51
17	5.48	5.42	4.62	5.76	5.92	7.81	5.29	7.09	12.91	7.27	5.61	5.50
18	5.43	5.45	4.51	5.72	5.97	7.50	5.23	7.02	12.41	6.92	5.58	5.50
19	5.48	5.56	4.56	5.71	5.96	7.15	5.14	6.87	11.68	6.61	5.58	---
20	5.51	5.61	5.15	5.98	5.91	6.86	5.05	6.64	10.89	6.33	5.59	---
21	5.54	5.62	5.73	6.13	5.84	6.68	4.96	6.39	10.14	6.04	5.58	---
22	5.57	5.64	5.74	6.16	5.82	6.80	4.90	6.15	9.45	5.80	5.57	---
23	5.58	5.69	5.58	6.14	5.75	6.64	5.17	5.96	9.04	5.69	5.55	---
24	5.57	5.72	5.26	6.11	5.65	6.50	5.81	5.96	9.33	5.72	5.57	---
25	5.55	5.74	5.19	6.06	5.59	6.41	6.00	6.27	9.08	5.91	5.56	---
26	5.51	5.85	5.21	6.01	5.53	6.27	5.97	7.04	8.61	5.82	5.57	---
27	5.49	5.65	5.22	5.96	5.49	6.12	5.86	6.86	8.18	5.98	5.54	---
28	5.52	5.60	5.22	5.93	5.45	5.99	5.74	6.69	7.77	6.26	5.55	---
29	5.48	5.60	5.20	5.89	---	6.59	5.63	6.47	7.40	6.12	5.55	---
30	5.49	5.61	5.14	5.83	---	8.19	5.80	6.23	7.03	5.94	5.55	---
31	5.51	---	5.14	5.77	---	9.00	---	6.00	---	5.77	5.54	---
MEAN	5.47	5.52	5.38	5.69	6.09	8.34	6.10	7.31	10.83	7.45	5.51	---
MAX	5.70	5.85	6.43	6.16	6.70	13.03	8.51	9.73	13.74	10.43	5.76	5.58
MIN	4.11	5.36	4.51	5.11	5.45	5.35	4.90	5.96	6.00	5.69	4.99	---

07382495 BAYOU COURTABLEAU NEAR WASHINGTON, LA

LOCATION.--Lat 30°38'53", long 92°03'40", in NW1/4 lot 7, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, on left bank, 0.3 mi (0.5 km) downstream from confluence of Bayous Cocodrie and Boeuf, 2.0 mi (3.2 km) northwest of Washington, and 3.4 mi (5.5 km) upstream from gaging station Bayou Courtableau at Washington (station 07382500).

DRAINAGE AREA.--701 mi2 (1,816 km2). See REMARKS.

PERIOD OF RECORD.--October 1975 to current year (gage heights only). Unpublished records, July 1946 to September 1975, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is at mean low Gulf level (Corps of Engineers bench mark). Prior to Feb. 28, 1949, nonrecording gage 0.3 mi (0.5 km) upstream at same datum.

REMARKS.--Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi2 (197.1 km2) in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 32.31 ft (9.848 m) Apr. 4, 1980; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1946, 38.65 ft (11.781 m) May 19, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 26.48 ft (8.071 m) June 7; minimum, 11.58 ft (3.530 m) Aug. 28, 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.11	13.24	15.07	12.29	12.96	13.55	19.20	13.24	17.79	15.09	12.54	11.62
2	12.13	13.08	14.62	12.21	13.68	13.39	18.92	13.58	17.98	15.36	12.43	12.59
3	12.15	12.92	14.33	12.16	14.64	13.23	18.47	14.19	18.32	18.46	12.32	12.63
4	12.14	12.80	14.07	12.14	15.23	13.75	18.07	14.46	19.31	18.53	12.29	12.76
5	12.16	12.67	13.86	12.10	15.44	20.65	17.70	20.44	21.06	19.34	12.31	12.83
6	12.18	12.56	13.67	12.06	18.25	23.21	17.28	24.19	26.13	20.64	12.45	12.79
7	12.14	12.46	13.54	12.11	17.71	22.64	16.86	23.17	26.45	19.56	12.56	12.69
8	12.15	12.34	13.40	12.12	16.79	20.92	16.43	21.25	26.07	19.34	12.89	12.59
9	12.17	12.23	14.91	12.11	16.19	19.35	15.97	19.64	25.29	18.93	12.86	12.64
10	12.15	12.12	19.08	12.11	17.90	19.14	15.44	19.41	23.71	18.50	12.81	12.80
11	12.11	12.03	18.15	12.09	19.99	19.01	14.94	19.05	23.06	18.14	12.71	12.84
12	12.10	11.93	16.90	12.09	18.09	18.71	14.50	18.85	24.13	18.09	12.55	12.87
13	12.07	11.82	16.01	12.11	16.56	18.32	14.18	18.52	23.96	18.70	12.42	13.00
14	12.04	11.73	15.39	12.12	16.29	18.03	13.94	18.16	22.95	18.32	12.34	13.04
15	12.00	11.67	15.18	12.16	16.07	17.74	13.72	17.91	21.18	17.85	12.26	13.70
16	11.91	11.63	14.99	12.17	15.78	17.41	13.45	17.83	20.03	17.33	12.17	14.68
17	11.91	11.83	14.96	12.18	15.49	17.06	13.24	18.14	19.41	16.72	12.14	14.72
18	13.16	11.93	14.75	12.23	15.28	16.69	13.14	17.85	18.97	16.07	12.10	14.54
19	15.20	12.52	14.48	12.24	15.13	16.27	13.00	17.54	18.74	15.46	12.16	14.21
20	15.51	12.75	14.23	12.53	15.08	15.79	12.80	17.13	18.47	14.90	12.17	13.88
21	15.75	12.69	13.95	12.90	14.93	15.27	12.68	16.67	18.14	14.38	12.14	13.65
22	15.63	12.61	13.73	13.01	14.78	14.83	12.53	16.11	17.80	13.90	12.09	13.49
23	15.22	13.19	13.54	13.09	14.62	14.42	12.48	15.49	17.72	13.76	12.14	13.40
24	14.69	13.65	13.39	13.13	14.41	14.03	12.72	14.93	17.54	13.50	11.99	13.28
25	14.26	13.62	13.22	13.15	14.20	13.81	12.91	14.44	17.29	13.19	11.84	13.12
26	13.97	14.36	13.02	13.14	14.02	13.63	13.10	15.78	17.06	12.93	11.79	12.94
27	13.68	15.72	12.88	13.12	13.84	13.49	13.27	18.24	16.77	12.79	11.72	12.74
28	13.76	16.15	12.78	13.08	13.68	13.40	13.28	18.48	16.32	12.61	11.61	12.61
29	13.67	16.02	12.64	13.02	---	13.39	13.25	18.28	15.89	12.62	11.59	12.54
30	13.47	15.59	12.52	12.98	---	16.72	13.17	18.08	15.48	12.59	11.64	12.48
31	13.36	---	12.40	12.89	---	18.71	---	17.91	---	12.53	11.67	---
MEAN	13.13	13.00	14.38	12.48	15.61	16.66	14.69	17.71	20.10	16.13	12.22	13.12
MAX	15.75	16.15	19.08	13.15	19.99	23.21	19.20	24.19	26.45	20.64	12.89	14.72
MIN	11.91	11.63	12.40	12.06	12.96	13.23	12.48	13.24	15.48	12.53	11.59	11.62

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in SW1/4NW1/4 lot 81, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi (0.3 km) upstream from Texas and New Orleans Railroad Co. bridge, 1.2 mi (1.9 km) upstream from Bayou Carron, 3.5 mi (5.6 km) downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 mi (9.7 km) north of Opelousas.

DRAINAGE AREA.--715 mi^2 (1,852 km^2). See REMARKS.

PERIOD OF RECORD.--July 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1948, nonrecording gage at same site and datum. Water-stage recorder for Bayou Courtableau near Washington (station 07382495) used as auxiliary gage for this station since Feb. 28, 1949. Prior to Feb. 28, 1949, auxiliary nonrecording gage 3.5 mi (5.6 km) upstream from base at same datum.

REMARKS.--Records good except for those periods of indefinite stage-discharge relationship which are poor. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi^2 (197.1 km^2) in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station. Records of water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--35 years, 405 ft^3/s (11.47 m^3/s), 766,500 acre-ft/yr (945 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,490 ft^3/s (269 m^3/s) May 21, 1953; maximum elevation, 35.29 ft (10.756 m) May 22, 1953; minimum discharge, 70 ft^3/s (1.98 m^3/s) Oct. 19, 1973; minimum elevation, 10.72 ft (3.267 m) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,250 ft^3/s (92.0 m^3/s) June 7; maximum elevation, 25.19 ft (7.678 m) June 6, minimum daily discharge, 94 ft^3/s (2.66 m^3/s) Apr. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	153	265	137	191	166	1050	151	242	232	115	111
2	168	150	233	140	297	162	819	233	412	270	100	262
3	165	147	217	143	454	159	634	316	601	380	95	238
4	162	145	202	142	459	277	501	276	967	450	100	142
5	161	143	197	144	540	1850	439	1500	1360	500	120	133
6	163	138	181	142	624	2520	377	2430	3020	1090	145	113
7	156	137	174	149	713	2440	338	2100	3220	1300	154	112
8	157	128	172	155	558	1940	310	1500	3180	1320	167	105
9	161	126	438	153	465	1370	287	1140	3010	1400	145	163
10	154	125	1180	153	685	1030	249	1270	2510	1380	125	203
11	147	122	956	152	1150	884	216	1040	2260	1200	115	212
12	148	116	653	151	828	752	196	723	2700	850	109	226
13	145	107	494	158	480	586	172	591	2650	684	113	256
14	142	106	351	158	358	509	151	474	2300	567	122	258
15	136	105	278	167	364	453	159	421	1540	464	125	294
16	124	100	238	165	360	418	133	474	1280	405	119	354
17	133	101	245	168	340	376	113	600	1060	362	119	276
18	145	114	225	181	287	341	118	449	900	328	114	263
19	164	221	195	175	267	301	109	381	776	299	120	253
20	219	201	179	186	258	279	101	328	677	256	126	238
21	233	155	169	209	254	257	116	307	563	217	119	236
22	235	139	163	203	243	245	95	288	448	138	119	242
23	223	124	158	202	230	225	94	244	417	134	143	251
24	205	176	164	198	209	186	131	205	421	131	120	243
25	213	187	162	200	198	175	127	167	387	124	111	224
26	217	132	154	199	190	176	112	452	369	120	116	199
27	201	253	152	194	180	172	109	498	362	124	113	180
28	223	334	156	196	177	178	101	430	329	180	107	169
29	213	338	147	193	---	200	111	371	304	160	115	158
30	184	307	142	191	---	1010	115	320	269	135	125	149
31	166	---	140	185	---	1050	---	266	---	125	129	---
TOTAL	5442	4830	8780	5289	11359	20687	7583	19945	38534	15325	3765	6263
MEAN	176	161	283	171	406	667	253	643	1284	494	121	209
MAX	235	338	1180	209	1150	2520	1050	2430	3220	1400	167	354
MIN	124	100	140	137	177	159	94	151	242	120	95	105
AC-FT	10790	9580	17420	10490	22530	41030	15040	39560	76430	30400	7470	12420

CAL YR 1980 TOTAL 467149 MEAN 1276 MAX 5680 MIN 91 AC-FT 926600
WTR YR 1981 TOTAL 147802 MEAN 405 MAX 3220 MIN 94 AC-FT 293200

NOTE: Indefinite stage-discharge relation, Oct.18, Feb. 15, May 5, July 2-12, July 28 to Aug. 5, Aug. 9, 10.

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.36	13.64	15.44	12.67	13.24	13.95	18.95	13.64	18.27	15.49	12.95	11.99
2	12.42	13.48	14.99	12.57	13.82	13.78	18.95	13.85	18.34	15.68	12.91	12.40
3	12.45	13.31	14.70	12.51	14.57	13.62	18.65	14.36	18.52	18.21	12.84	12.76
4	12.44	13.18	14.45	12.49	15.28	13.95	18.35	14.74	19.21	18.67	12.79	13.15
5	12.47	13.06	14.24	12.44	15.74	19.38	18.02	20.45	20.78	19.57	12.76	13.24
6	12.48	12.95	14.04	12.41	18.41	21.67	17.64	23.19	24.92	20.56	12.81	13.24
7	12.46	12.84	13.92	12.45	17.71	21.01	17.24	22.36	25.08	19.56	12.91	13.14
8	12.46	12.74	13.77	12.44	16.90	19.59	16.82	20.78	24.62	19.54	13.23	13.04
9	12.48	12.63	15.00	12.43	16.38	18.53	16.36	19.36	23.80	19.14	13.32	12.98
10	12.48	12.52	18.56	12.43	17.98	18.92	15.85	18.85	22.42	18.74	13.28	13.05
11	12.45	12.42	17.82	12.42	19.75	18.97	15.35	18.76	21.93	28.40	13.15	13.08
12	12.44	12.33	16.88	12.42	17.97	18.80	14.91	18.99	22.68	18.39	13.00	13.08
13	12.41	12.23	16.14	12.42	16.75	18.54	14.61	18.75	22.53	18.85	12.85	13.14
14	12.38	12.14	15.65	12.43	16.63	18.31	14.38	18.48	21.70	18.55	12.74	13.19
15	12.35	12.07	15.53	12.46	16.39	18.05	14.14	18.27	20.05	18.16	12.66	13.85
16	12.28	12.04	15.38	12.46	16.08	17.75	13.89	18.13	19.62	17.66	12.58	14.84
17	12.26	12.26	15.34	12.47	15.79	17.41	13.70	18.32	19.20	17.07	12.55	15.04
18	13.64	12.34	15.14	12.50	15.61	17.05	13.59	18.18	18.91	16.43	12.52	14.86
19	15.68	12.70	14.90	12.53	15.49	16.66	13.46	17.91	18.79	15.81	12.57	14.51
20	15.95	12.99	14.64	12.80	15.44	16.18	13.27	17.53	18.61	15.26	12.57	14.17
21	16.18	13.04	14.37	13.20	15.29	15.66	13.12	17.07	18.37	14.75	12.55	13.91
22	16.06	13.00	14.15	13.29	15.15	15.20	12.99	16.51	18.13	14.36	12.50	13.74
23	15.64	13.64	13.94	13.38	14.99	14.79	12.94	15.90	18.07	14.21	12.49	13.62
24	15.10	14.04	13.78	13.43	14.79	14.42	13.13	15.35	17.87	13.94	12.38	13.49
25	14.63	13.98	13.60	13.46	14.59	14.21	13.34	14.88	17.64	13.63	12.25	13.37
26	14.31	14.84	13.41	13.45	14.39	14.03	13.56	15.94	17.41	13.38	12.17	13.22
27	14.02	16.13	13.26	13.43	14.24	13.87	13.74	18.54	17.11	13.22	12.10	13.05
28	14.06	16.50	13.14	13.38	14.07	13.76	13.76	18.86	16.69	13.07	12.00	12.92
29	13.99	16.36	13.02	13.32	---	13.71	13.71	18.69	16.26	13.07	11.95	12.88
30	13.83	15.94	12.90	13.28	---	15.69	13.63	18.52	15.86	13.04	11.98	12.84
31	13.74	---	12.77	13.20	---	18.32	---	18.38	---	12.99	11.99	---
MEAN	13.48	13.38	14.67	12.79	15.84	16.64	15.07	17.86	19.78	16.75	12.62	13.39
MAX	16.18	16.50	18.56	13.46	19.75	21.67	18.95	23.19	25.08	28.40	13.32	15.04
MIN	12.26	12.04	12.77	12.41	13.24	13.62	12.94	13.64	15.86	12.99	11.95	11.99

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE1/4 sec. 29, T.1 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft (46 m) downstream from point of diversion from Bayou des Glaises.

DRAINAGE AREA.--270 mi^2 (699 km^2). See REMARKS.

PERIOD OF RECORD.--July 1943 to current year.

REVISED RECORDS.--WDR LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft (7.151 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft (1.475 m) higher. Water-stage recorder for Bayou des Glaises diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Records good. Diversion channel carries natural flow of Bayou des Glaises except when operation of floodgates, 12 mi (19 km) downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatlin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi (9.7 km) downstream. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--38 years, 427 ft^3/s (12.09 m^3/s), 309,400 acre-ft/yr (381 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft^3/s (180 m^3/s) May 18, 1953, gage neight, 22.68 ft (6.913 m), present datum; minimum, 2.7 ft^3/s (0.076 m^3/s) Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,610 ft^3/s (45.6 m^3/s) May 26, maximum gage height, 14.97 ft (4.563 m) June 6; minimum discharge, 12 ft^3/s (0.34 m^3/s) Dec. 2, 3, 4, 5, minimum gage height, 1.96 ft (0.597 m) Dec. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	64	15	24	19	19	555	124	494	121	60	33
2	35	50	13	24	30	18	341	376	301	112	70	62
3	35	37	12	24	211	18	210	348	250	97	75	102
4	35	43	12	23	190	591	131	259	565	119	91	100
5	35	49	13	22	99	1140	127	678	782	142	135	87
6	34	45	78	21	65	891	163	695	1050	121	127	73
7	34	35	51	20	61	825	166	827	1010	152	108	62
8	34	31	35	20	84	619	112	732	1050	215	96	48
9	34	28	222	21	75	783	69	574	1060	183	80	36
10	32	28	674	25	93	712	52	678	1040	132	78	32
11	32	35	543	24	112	561	62	258	1040	102	72	28
12	30	35	378	21	107	364	59	346	1170	80	60	29
13	23	30	236	20	86	234	39	265	1020	70	54	28
14	26	27	140	19	71	159	28	215	922	72	48	26
15	22	26	94	20	52	131	30	161	830	66	44	27
16	19	28	81	20	39	167	50	102	714	52	43	27
17	19	35	65	20	36	193	51	96	554	50	66	26
18	26	85	48	20	30	180	37	133	364	50	50	28
19	55	176	43	20	28	65	30	152	256	40	44	32
20	235	131	45	21	25	30	28	122	180	50	40	32
21	222	89	45	22	22	27	28	73	161	65	33	31
22	139	65	39	30	21	22	54	47	114	66	28	30
23	79	56	35	45	21	22	54	40	88	40	25	29
24	57	63	32	42	21	26	105	76	122	32	22	27
25	45	70	30	34	21	28	256	124	129	34	21	25
26	38	83	29	29	23	26	235	1460	124	40	24	22
27	40	101	27	25	20	33	172	1120	112	34	26	22
28	49	143	27	22	18	32	120	990	112	36	26	23
29	60	54	23	19	---	154	104	918	153	50	28	24
30	114	22	25	17	---	757	101	832	137	60	26	25
31	96	---	25	17	---	631	---	703	---	56	27	---
TOTAL	1772	1764	3135	731	1680	9658	3569	13726	15904	2539	1727	1178
MEAN	57.2	58.8	101	23.6	60.0	312	119	443	530	81.9	55.7	39.3
MAX	235	176	674	45	211	1140	555	1460	1170	215	135	102
MIN	19	22	12	17	18	18	28	40	88	32	21	22
AC-FT	3510	3500	6220	1450	3330	19160	7080	27230	31550	5040	3430	2340

CAL YR 1980 TOTAL 163724 MEAN 447 MAX 2340 MIN 12 AC-FT 324700
WTR YR 1981 TOTAL 57383 MEAN 157 MAX 1460 MIN 12 AC-FT 113800

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.02	3.42	2.17	2.57	2.49	2.49	7.47	3.77	6.90	3.64	---	2.61
2	3.01	3.24	2.02	2.57	2.87	2.47	5.81	6.11	5.43	3.55	---	3.03
3	3.01	3.04	1.97	2.56	4.75	2.46	4.50	5.87	4.95	3.38	---	3.57
4	3.01	3.13	1.98	2.55	4.59	7.08	3.83	5.02	7.39	3.60	3.43	3.55
5	3.00	3.22	2.03	---	3.79	11.65	3.79	11.27	10.08	3.85	3.89	3.36
6	2.98	3.16	3.40	---	3.44	9.32	4.12	11.20	14.21	3.66	3.82	3.20
7	2.98	3.00	3.14	---	3.39	8.87	4.14	9.29	11.49	3.95	3.62	3.06
8	2.98	2.90	2.87	---	3.64	8.85	3.64	8.40	10.36	4.56	3.49	2.88
9	2.97	2.83	4.81	---	3.54	8.67	3.12	7.43	10.06	4.26	3.36	2.73
10	2.95	2.81	8.07	---	3.07	8.30	2.91	8.48	9.94	3.77	3.30	2.61
11	2.94	3.00	7.22	---	3.96	7.36	3.02	7.16	9.93	3.44	---	2.52
12	2.88	2.99	6.10	---	3.88	5.99	2.99	5.84	10.62	---	---	2.55
13	2.69	2.87	4.91	---	3.47	4.95	2.70	5.08	9.84	---	---	2.52
14	2.76	2.78	4.07	---	3.51	4.35	2.49	4.62	9.36	---	---	2.46
15	2.65	2.77	3.61	---	3.28	4.12	2.50	4.12	8.90	---	---	2.48
16	2.49	2.83	3.62	---	3.09	4.50	2.86	3.55	8.31	---	---	2.47
17	2.50	2.99	3.17	---	3.03	4.61	2.86	3.47	7.29	---	---	2.43
18	2.82	3.62	2.96	---	2.93	4.51	2.68	3.83	5.97	---	---	2.48
19	3.19	4.67	2.90	---	2.83	3.47	2.53	4.01	4.96	---	---	2.50
20	4.95	4.09	2.92	---	2.75	2.95	2.48	3.75	4.35	---	2.74	2.60
21	4.85	3.60	2.94	---	2.65	2.85	2.49	3.18	4.04	---	2.63	2.59
22	4.15	3.41	2.85	---	2.60	2.66	2.92	2.82	3.58	---	2.52	2.57
23	3.58	3.30	2.78	3.18	2.58	2.69	2.94	2.72	3.25	---	2.41	2.53
24	3.33	3.38	2.73	3.13	2.58	2.80	3.69	3.22	3.64	---	2.33	2.48
25	3.17	3.46	2.68	2.97	2.61	2.80	5.00	3.97	3.73	---	2.28	2.42
26	3.05	3.50	2.65	2.85	2.67	2.88	4.79	13.11	3.60	---	2.37	2.36
27	3.09	3.77	2.62	2.76	2.55	2.99	4.21	10.92	3.51	---	2.44	2.32
28	3.22	4.16	2.60	2.66	2.47	2.98	3.71	9.70	3.56	---	2.43	2.33
29	3.36	3.20	2.59	2.52	---	4.01	3.56	9.34	3.93	---	2.47	2.37
30	3.94	2.57	2.58	2.41	---	8.52	3.50	8.91	3.82	---	2.46	2.42
31	3.76	---	2.57	2.37	---	7.41	---	8.24	---	---	2.46	---
MEAN	3.20	3.26	3.36	---	3.21	5.16	3.58	6.40	6.90	---	---	2.67
MAX	4.95	4.67	8.07	3.18	4.75	11.65	7.47	13.11	14.21	4.56	3.89	3.57
MIN	2.49	2.57	1.97	2.37	2.47	2.46	2.48	2.72	3.25	---	2.28	2.32

07383510 BAYOU DES GLAISES DIVERSION CHANNEL NEAR MOREAUVILLE, LA

LOCATION.--Lat 30°59'59", long 91°58'57", in NW1/4SE1/4 sec.4, T.1 S., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on unnumbered parish road, 2.5 mi (4.0 km) south of Moreauville, and 2.5 mi (4.0 km) downstream from gaging station Bayou des Glaises diversion channel at Moreauville (station 07383500).

DRAINAGE AREA.--284 mi^2 (736 km^2).

PERIOD OF RECORD.--April 1972 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 21.18 ft (6.456 m) National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 22.76 ft (6.937 m) Apr. 21, 1977; minimum, 2.14 ft (0.652 m) Nov. 11, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.58 ft (5.054 m) June 6; minimum, 2.40 ft (0.732 m) Dec. 3, 4, 5.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.88	3.18	2.47	2.65	2.60	2.66	7.57	3.71	6.48	3.66	3.15	2.70
2	2.88	3.03	2.42	2.65	2.75	2.66	5.67	5.66	5.17	3.60	3.23	3.06
3	2.89	2.91	2.41	2.65	4.25	2.65	4.53	5.53	4.82	3.50	3.29	3.63
4	2.88	2.92	2.40	2.64	4.26	7.81	3.91	4.91	7.27	3.65	3.45	3.61
5	2.88	2.97	2.75	2.62	3.65	12.42	3.84	13.05	10.46	3.83	3.84	3.42
6	2.87	2.94	3.11	2.61	3.37	9.33	4.07	12.42	15.81	3.73	3.82	3.25
7	2.86	2.84	2.87	2.59	3.25	8.37	4.07	9.64	12.54	3.91	3.62	3.12
8	2.86	2.78	2.72	2.58	3.49	8.24	3.72	8.21	10.57	4.43	3.49	2.97
9	2.86	2.74	5.29	2.61	3.41	8.04	3.29	7.14	9.76	4.20	3.37	2.85
10	2.85	2.72	7.60	2.74	4.44	7.71	3.13	8.84	9.42	3.80	3.20	2.74
11	2.84	2.77	6.57	2.71	4.00	6.87	3.18	9.04	9.50	3.47	3.04	2.67
12	2.83	2.79	5.49	2.63	3.80	5.67	3.18	5.61	10.73	3.28	2.93	2.68
13	2.74	2.75	4.52	2.58	3.62	4.79	2.96	4.89	9.53	3.17	2.90	2.67
14	2.74	2.70	---	2.57	3.45	4.30	2.78	4.53	8.83	3.19	2.96	2.62
15	2.72	2.68	---	2.59	3.25	4.09	2.76	4.14	8.31	3.12	2.96	2.66
16	2.64	2.72	---	2.60	3.10	4.26	3.04	3.79	7.73	2.96	3.05	2.64
17	2.62	2.77	3.08	2.59	3.04	4.43	3.08	3.66	6.82	2.94	3.24	2.61
18	2.76	3.19	3.00	2.59	2.98	4.38	2.97	3.79	5.65	2.93	3.25	2.62
19	2.90	4.08	2.95	2.59	2.90	3.54	2.84	4.01	4.79	2.89	3.01	2.68
20	4.45	3.80	2.94	2.61	2.86	3.13	2.75	3.84	4.27	2.91	2.85	2.71
21	4.50	3.38	2.96	2.62	2.80	3.05	2.74	3.33	4.01	3.09	2.70	2.71
22	3.94	3.12	2.90	2.68	2.75	2.90	3.12	3.01	3.65	3.10	2.66	2.70
23	3.42	3.01	2.85	2.94	2.74	2.92	3.30	2.90	3.32	2.89	2.60	2.67
24	3.14	3.06	2.81	2.96	2.73	3.01	3.89	3.30	3.61	2.74	2.55	2.64
25	3.02	3.11	2.77	2.86	2.75	3.05	4.78	4.30	3.74	2.76	2.52	2.60
26	2.94	3.23	2.74	2.79	2.79	3.05	4.63	13.52	3.72	2.82	2.55	2.55
27	2.95	3.39	2.72	2.74	2.73	3.13	4.18	11.18	3.56	2.76	2.60	2.52
28	3.05	3.78	2.70	2.68	2.66	3.12	3.77	9.29	3.55	2.77	2.58	2.53
29	3.07	2.98	2.68	2.62	---	3.95	3.61	8.76	3.87	3.09	2.61	2.55
30	3.62	2.63	2.67	2.57	---	8.10	3.59	8.29	3.81	3.13	2.62	2.58
31	3.49	---	2.66	2.54	---	7.46	---	7.67	---	3.10	2.60	---
MEAN	3.07	3.03	---	2.66	3.23	5.13	3.70	6.51	6.84	3.27	3.01	2.80
MAX	4.50	4.08	7.60	2.96	4.44	12.42	7.57	13.52	15.81	4.43	3.84	3.63
MIN	2.62	2.63	2.40	2.54	2.60	2.65	2.74	2.90	3.32	2.74	2.52	2.52

07384400 STATE CANAL NEAR KROTZ SPRINGS, LA

LOCATION.--Lat 30°33'55", long 91°49'55", in SW1/4NW1/4 sec.2, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, at bridge on U.S. Highway 71, 1.7 mi (2.7 km) upstream from Slow Bayou, 2.0 mi (3.2 km) northwest of the junction of U.S. Highways 71 and 190, and 5.0 mi (8.0 km) northwest of town of Krotz Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1960-67, October 1967 to current year (gage heights above 10.0 ft (3.048 m) only).

GAGE.--Water-stage recorder. Datum of gage is 2.55 ft (0.777 m) National Geodetic Vertical Datum of 1929. Crest-stage gage prior to 1967 at datum 2.55 ft (0.777 m) lower.

REMARKS.--No gage heights recorded below 10.00 ft (3.048 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft (6.291 m) May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 15.70 ft (4.785 m) May 9, but may have been higher during periods of no gage-height record, minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		10.99	12.60	10.08	10.38	11.37	12.61	11.02	---	---	10.28	
2		10.85	12.50		10.77	11.21	12.70	11.04	---	---	10.22	
3		10.69	12.13		11.20	11.03	12.78	11.38	---	---	10.16	
4		10.56	11.84		11.33	10.87	12.82	11.79	---	---	10.11	10.17
5		10.43	11.59		11.49	12.43	12.79	12.47	---	---	10.07	10.43
6		10.31	11.38		13.06	12.50	12.73	14.61	---	---	10.16	10.54
7		10.22	11.23		14.14	13.34	12.70	15.24	---	---	10.27	10.48
8		10.12	11.09		13.98	13.78	12.60	15.49	---	---	10.46	10.36
9		10.01	11.07		13.71	13.81	12.53	15.58	---	---	10.63	10.25
10			13.88		13.75	13.66	12.43	15.65	---	---	10.63	10.26
11			14.06		13.95	13.47	12.32	15.65	---	---	10.54	10.29
12			13.91		14.14	13.30	12.23	15.60	---	---	10.41	10.27
13			13.91		14.17	13.16	12.12	15.49	---	---	10.25	10.31
14			13.74		14.04	13.02	11.82	15.35	---	---	10.12	10.36
15			13.55		13.89	12.49	11.60	15.16	---	---	10.03	10.52
16			13.29		13.73	12.78	11.39	14.93	15.02	---		10.64
17			12.87		13.59	12.67	11.20	14.73	14.77	---		10.75
18	10.33		12.63		13.46	12.57	11.06	14.49	14.50	---		10.83
19	12.28		12.40		13.26	12.46	10.93	14.23	14.21	---		10.89
20	12.67	10.07	12.17		12.94	12.35	10.77	13.94	13.93	---		10.92
21	12.19	10.16	11.90	10.24	12.75	12.26	10.60	---	13.67	---		10.94
22	12.05	10.26	11.64	10.45	12.59	12.21	10.47	---	13.47	---		10.92
23	11.95	11.01	11.43	10.57	12.43	12.11	10.37	---	13.30	11.77		10.87
24	11.86	11.38	11.23	10.65	12.24	12.00	10.46	---	13.22	11.48		10.82
25	11.75	11.47	11.05	10.69	12.04	11.64	10.66	---	---	11.18		10.75
26	11.65	11.75	10.86	10.70	11.86	11.43	10.90	---	---	10.89		10.54
27	11.54	12.62	10.69	10.69	11.68	11.25	11.09	---	---	10.68		10.37
28	11.61	12.81	10.55	10.65	11.49	11.12	11.16	---	---	10.52		10.22
29	11.50	12.77	10.42	10.60	---	11.02	11.16	---	---	10.49		10.11
30	11.42	12.69	10.30	10.54	---	11.29	11.07	---	---	10.42		10.01
31	11.11	---	10.17	10.47	---	12.91	---	---	---	10.35		---
MEAN	---	---	12.00	---	12.79	12.32	11.67	---	---	---	---	---
MAX	12.67	12.81	14.06	10.70	14.17	13.81	12.82	15.65	---	---	---	10.94
MIN	---	---	10.17	---	10.38	10.87	10.37	---	---	---	---	---

NOTE.--No gage-height record May 21 to June 15, June 25 to July 22.

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'27", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi (9.7 km) west of Krotz Springs, and 0.8 mi (1.3 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analysed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
01...	0800	794	7.9	30	20	<1.0	4.8	25	4.5	--	--	280
DEC												
05...	0730	408	7.5	20	20	<1.0	7.9	20	3.0	<10	K80	140
JAN												
16...	0815	578	7.3	10	8.0	<1.0	11.8	24	5.7	K50	K16	210
FEB												
13...	0800	140	6.6	100	170	<1.0	7.6	50	2.3	10000	4800	47
MAR												
13...	0800	176	7.4	80	170	<1.0	5.2	43	3.2	K800	K100	59
APR												
24...	0805	443	7.0	30	30	<1.0	4.9	140	1.3	K200	K45	180
MAY												
29...	0830	301	6.9	50	60	<1.0	6.7	42	3.8	K1800	K700	120
JUL												
02...	0745	241	6.9	40	30	<1.0	6.0	41	2.0	K200	K45	100
31...	0815	322	8.1	30	15	<1.0	6.0	72	1.7	K25	<5	130
SEP												
11...	0830	655	7.5	10	5.0	<1.0	3.7	56	4.9	K30	<15	240

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT												
01...	20	70	25	59	4.9	258	27	98	3	.05	.04	.09
DEC												
05...	15	34	13	26	4.4	123	20	39	20	.68	.03	.71
JAN												
16...	11	55	18	60	3.7	201	27	55	6	.50	.03	.53
FEB												
13...	12	11	4.8	9.7	2.7	35	21	9.9	134	.50	.04	.54
MAR												
13...	11	14	5.9	5.7	3.6	48	17	6.2	106	.85	.09	.94
APR												
24...	17	44	16	22	4.1	159	18	29	33	.34	.00	.34
MAY												
29...	20	30	11	15	4.1	100	21	16	57	.79	.03	.82
JUL												
02...	11	27	8.9	8.8	4.0	93	9.8	12	22	--	.01	--
31...	0	33	11	16	3.7	130	10	18	25	.09	.03	.12
SEP												
11...	7	61	22	37	4.6	240	22	51	10	.00	.01	.01

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT												
01...	1.1	.18	5	5	0	<1	0	<1	0	0	7	7
DEC												
05...	.65	.09	1	1	20	<1	0	1	0	0	5	3
JAN												
16...	.04	.03	2	1	0	<1	0	<1	0	0	9	1
FEB												
13...	1.4	.37	3	2	0	0	0	0	10	0	15	9
MAR												
13...	1.9	.45	4	2	0	0	0	0	20	0	13	9
APR												
24...	2.6	.18	3	2	0	<1	0	<1	10	0	6	3
MAY												
29...	1.0	.63	5	3	0	<1	1	<1	20	0	8	4
JUL												
02...	1.2	.31	8	6	0	<1	0	<1	10	0	8	7
31...	1.0	.33	6	7	0	<1	0	<1	30	0	6	6
SEP												
11...	1.1	.00	8	8	0	<1	1	<1	20	0	6	2

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT												
01...	<10	4	0	.1	.0	5	2	0	0	3.0	10	4
DEC												
05...	20	4	0	.0	.0	5	0	0	0	1.0	30	9
JAN												
16...	<10	6	0	.1	.0	3	0	0	0	6.0	10	10
FEB												
13...	210	12	2	11	10	8	2	0	0	6.0	--	50
MAR												
13...	240	6	1	.1	.7	11	1	1	1	7.0	40	20
APR												
24...	20	1	2	.2	.1	6	4	0	0	1.0	0	4
MAY												
29...	80	2	2	.1	.0	6	3	0	0	4.0	--	20
JUL												
02...	150	3	2	.1	.0	3	2	0	0	--	--	30
31...	49	13	6	.3	.4	3	4	0	0	5.0	120	46
SEP												
11...	<10	45	2	.1	.0	7	0	0	0	2.0	90	61

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT												
01...	17	.00	0	0	.0	.0	.000	.00	.000	.000	.000	.00
DEC												
05...	4.2	.00	2	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	.01
JAN												
16...	12	.00	1	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	<.01
FEB												
13...	32	.00	1	0	<.1	<.1	<.001	<.10	<.001	<.001	.007	<.01
MAR												
13...	--	.00	2	0	<.1	<.1	<.001	<.10	<.001	<.001	.005	<.01
APR												
24...	15	.00	1	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	<.01
MAY												
29...	14	.00	1	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	<.01
JUL												
02...	11	.00	1	0	.3	<.1	<.001	<.10	<.001	<.001	.007	.01
31...	13	.00	8	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	.02
SEP												
11...	8.3	>.01	0	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	.01

< Actual value is known to be less than the value shown.

> Actual value is known to be greater than the value shown.

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT											
01...	.030	.000	.000	.00	.000	.000	.000	.00	.00	.01	.00
DEC											
05...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN											
16...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
FEB											
13...	.005	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
MAR											
13...	.005	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
APR											
24...	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
MAY											
29...	.006	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUL											
02...	.005	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
31...	.004	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
SEP											
11...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
01...	.00	.00	.00	.0	.00	.04	.00	.01	.00	14.5	6.06
DEC											
05...	<.01	<.01	<.01	<.1	<.01	.03	.00	.01	.00	3.42	.000
JAN											
16...	<.01	<.01	<.01	<.1	<.01	.02	.00	.00	.00	20.5	.500
FEB											
13...	<.01	<.01	<.01	<.1	<.01	.03	<.01	<.01	<.01	1.56	.000
MAR											
13...	<.01	<.01	<.01	<.1	<.01	.09	<.01	.06	<.01	2.20	.000
APR											
24...	<.01	<.01	<.01	<.1	<.01	.03	<.01	.02	<.01	2.89	.000
MAY											
29...	<.01	<.01	<.01	<.1	<.01	4.4	<.01	.01	<.01	11.6	.000
JUL											
02...	<.01	<.01	<.01	<.1	<.01	.16	<.01	.01	<.01	20.4	2.83
31...	<.01	<.01	<.01	<.1	<.01	.14	<.01	.01	<.01	27.5	.250
SEP											
11...	<.01	<.01	<.01	<.1	<.01	--	--	--	--	9.54	1.59

< Actual value is known to be less than the value shown.

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'23", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi (9.7 km) west of Krotz Springs, and 0.8 mi (1.3 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 01...	0830	818	7.9	15	20	<1.0	4.7	96	2.0	--	--	280
DEC 05...	0800	436	7.5	5	25	<1.0	8.4	20	2.5	K400	K160	160
JAN 16...	0830	605	7.6	5	7.0	<1.0	11.1	19	4.8	K100	K24	220
FEB 13...	0830	144	6.2	100	160	<1.0	7.5	43	2.1	3400	K1800	48
MAR 13...	0830	156	7.0	80	170	<1.0	5.3	44	2.1	K750	K100	52
APR 24...	0820	443	7.6	30	35	<1.0	4.7	33	.4	K800	K60	180
MAY 29...	0800	298	6.8	50	65	<1.0	--	40	--	K2800	--	120
JUL 02...	0700	211	7.2	50	20	<1.0	8.6	52	8.3	K450	K95	89
31...	0840	296	7.4	30	20	<1.0	2.4	70	4.3	K140	K5	110
SEP 11...	0815	632	8.0	10	8.0	<1.0	4.1	55	3.1	K170	K35	230

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 01...	16	69	25	64	5.2	259	27	91	4	.00	.04	.04
DEC 05...	9	39	14	28	4.3	146	19	39	24	.53	.03	.56
JAN 16...	13	58	19	42	3.8	210	26	58	6	.51	.02	.53
FEB 13...	14	11	4.9	8.3	2.7	34	20	9.3	90	.46	.03	.49
MAR 13...	3	13	4.8	5.9	3.4	49	18	5.4	108	.81	.08	.89
APR 24...	16	44	16	21	4.1	160	18	28	44	.30	.04	.34
MAY 29...	20	29	11	15	4.2	98	21	16	106	.70	.03	.73
JUL 02...	8	23	7.6	5.0	4.1	81	8.4	8.5	29	.03	.01	.04
31...	0	29	10	14	3.4	120	2.0	16	11	.11	.04	.15
SEP 11...	0	56	21	35	4.5	230	20	47	8	.00	.01	.01

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHROMIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)
OCT 01...	.99	.20	5	5	0	<1	0	<1	0	0	6	6
DEC 05...	.82	.10	1	1	20	<1	1	<1	0	0	5	2
JAN 16...	1.3	.03	1	1	10	<1	0	<1	0	0	6	1
FEB 13...	9.0	.36	3	1	0	<1	1	<1	20	0	15	6
MAR 13...	1.5	.43	4	2	0	0	0	0	20	0	10	7
APR 24...	2.8	.17	3	2	0	<1	0	<1	10	0	5	3
MAY 29...	.93	.61	5	3	0	<1	2	<1	10	0	9	4
JUL 02...	1.2	.37	9	7	0	<1	0	<1	0	0	9	7
31...	.93	.35	8	8	0	<1	1	<1	0	0	6	5
SEP 11...	1.1	.22	9	8	0	<1	0	<1	10	0	5	4

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS-SOLVED (UG/L AS SE)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 01...	10	3	2	.1	.0	6	4	0	0	4.0	30	<3
DEC 05...	20	2	0	.0	.0	6	0	0	0	1.0	20	<3
JAN 16...	<10	37	0	.0	.0	2	4	0	0	6.0	10	5
FEB 13...	160	7	1	3.2	2.7	10	2	0	0	2.0	40	20
MAR 13...	130	5	0	.1	.6	11	2	1	2	1.0	30	20
APR 24...	30	2	0	.1	.1	3	2	0	0	.0	10	9
MAY 29...	80	3	2	.1	.1	5	1	0	0	4.0	20	10
JUL 02...	70	4	3	.1	.1	3	1	0	0	4.0	--	10
31...	25	13	5	.3	.3	3	3	0	0	5.0	60	39
SEP 11...	<10	2	4	.1	.0	4	1	0	0	2.0	30	16

< Actual value is known to be less than the value shown.

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV, GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT												
01...	7.9	.00	0	0	.0	.0	.000	.00	.000	.000	.000	.00
DEC												
05...	11	.00	4	0	<.1	<.1	<.001	<.10	.001	<.001	<.001	.01
JAN												
16...	10	.00	1	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	.01
FEB												
13...	19	.00	1	0	<.1	<.1	<.001	<.10	<.001	<.001	.007	<.01
MAR												
13...	--	.00	0	0	<.1	<.1	<.001	<.10	<.001	<.001	.007	<.01
APR												
24...	16	.00	1	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	<.01
MAY												
29...	16	.01	0	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	<.01
JUL												
02...	14	.01	0	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	.01
31...	11	.00	0	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	<.01
SEP												
11...	8.9	>.01	1	0	<.1	<.1	<.001	<.10	<.001	<.001	<.001	.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT											
01...	.028	.000	.000	.00	.000	.000	.000	.00	.00	.01	.00
DEC											
05...	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN											
16...	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
FEB											
13...	.005	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
MAR											
13...	.005	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
APR											
24...	.003	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
MAY											
29...	.007	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUL											
02...	.004	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
31...	.004	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
SEP											
11...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
01...	.00	.00	.00	.0	.00	.04	.00	.01	.00	17.3	3.78
DEC											
05...	<.01	<.01	<.01	<.1	<.01	.04	.00	.01	.00	10.4	1.91
JAN											
16...	<.01	<.01	<.01	<.1	<.01	.02	.00	.01	.00	17.8	.680
FEB											
13...	<.01	<.01	<.01	<.1	<.01	.02	<.01	<.01	<.01	1.76	.000
MAR											
13...	<.01	<.01	<.01	<.1	<.01	.09	<.01	.06	<.01	.230	.000
APR											
24...	<.01	<.01	<.01	<.1	<.01	.06	<.01	.03	<.01	2.59	.000
MAY											
29...	<.01	<.01	<.01	<.1	<.01	.30	<.01	.01	<.01	14.9	.600
JUL											
02...	<.01	<.01	<.01	<.1	<.01	.21	<.01	.02	<.01	88.7	7.71
31...	<.01	<.01	<.01	<.1	<.01	.14	<.01	.01	<.01	14.7	.000
SEP											
11...	<.01	<.01	<.01	<.1	<.01	--	--	--	--	9.58	2.12

< Actual value is known to be less than the value shown.

> Actual value is known to be greater than the value shown.

07385470 BAYOU TECHE AT ROBIN, LA

LOCATION.--Lat 30°26'48", long 91°55'22", on line between lots 51 and 54, T. 7 S., R. 5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on parish road at Robin, and 3.7 mi (6.0 km) upstream from gaging station Bayou Teche at Arnaudville (station 07385500).

DRAINAGE AREA.--Indeterminate. See REMARKS.

PERIOD OF RECORD.--October 1974 to current year (elevations only). Unpublished records, November 1947 to September 1974, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to February 4, 1953, nonrecording gage at same site and datum.

REMARKS.--Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs, near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaises floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi^2 (197 km^2), into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, about 23.0 ft (7.01 m) Apr. 21, 1977; minimum, 9.63 ft (2.935 m) Oct. 30, 31, Nov. 1, 2, 1978, but may have less during period of no gage-height record, Oct. 11-26, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since November 1947, 25.6 ft (7.80 m) May 23, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 17.61 ft (5.368 m) June 6; minimum, 10.04 ft (3.060 m) Aug. 30.

ELEVATION (FFET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.15	11.29	12.72	10.57	10.74	11.49	14.39	11.10	14.75	---	10.69	10.07
2	10.11	11.19	12.35	10.50	11.01	11.38	14.83	11.12	14.89	---	10.65	10.12
3	10.12	11.08	12.07	10.47	11.29	11.25	14.82	11.34	14.84	---	10.61	10.35
4	10.15	10.97	11.90	10.43	11.81	11.25	14.69	11.70	14.90	---	10.57	10.64
5	10.19	10.87	11.72	10.40	12.58	13.05	14.49	15.84	15.84	---	10.58	10.85
6	10.24	10.79	11.57	10.40	16.61	15.16	14.23	17.09	17.60	---	10.62	10.93
7	10.25	10.71	11.47	10.41	16.24	14.78	13.94	16.73	17.45	---	10.69	10.90
8	10.24	10.63	11.38	10.39	15.13	14.17	13.65	15.82	16.96	---	10.78	10.83
9	10.25	10.55	12.22	10.38	13.87	13.80	13.33	15.00	16.22	---	10.91	10.75
10	10.26	10.46	14.34	10.37	13.56	14.53	12.95	14.49	15.72	---	10.95	10.73
11	10.26	10.37	13.88	10.36	14.81	14.88	12.57	14.21	16.47	---	10.92	10.75
12	10.26	10.29	13.39	10.36	14.34	14.89	12.23	14.71	16.87	---	10.82	10.77
13	10.26	10.23	13.00	10.37	13.48	14.80	11.96	14.79	16.23	---	10.71	10.80
14	10.24	10.16	12.72	10.37	13.33	14.67	11.77	14.69	15.55	---	10.63	10.86
15	10.23	10.10	12.65	10.37	13.33	14.51	11.59	14.56	---	---	10.55	11.04
16	10.21	10.12	12.55	10.34	13.12	14.29	11.42	14.42	---	---	10.48	11.64
17	10.18	10.55	12.51	10.30	12.87	14.05	11.27	14.40	---	---	10.44	12.07
18	14.62	10.38	12.40	10.30	12.70	13.80	11.16	14.43	---	---	10.42	12.12
19	16.24	10.34	12.24	10.32	12.58	13.51	11.06	14.33	---	---	10.42	11.93
20	15.60	10.53	12.04	10.54	12.54	13.17	10.91	14.10	---	---	10.42	11.70
21	15.22	10.72	11.85	10.76	12.47	12.77	10.75	13.78	---	---	10.42	11.48
22	14.29	10.89	11.68	10.87	12.37	12.41	10.67	13.38	---	---	10.41	11.31
23	13.28	12.62	11.55	10.95	12.25	12.04	10.64	12.94	---	---	10.39	11.19
24	12.63	12.02	11.41	11.01	12.13	11.73	10.72	12.51	---	---	10.36	11.10
25	12.16	11.61	11.26	11.05	11.98	11.59	10.83	12.14	---	---	10.28	11.03
26	11.84	13.89	11.14	11.06	11.84	11.45	10.98	12.14	---	---	10.21	10.96
27	11.61	14.46	11.02	11.04	11.71	11.32	11.14	13.97	---	10.98	10.16	10.86
28	11.49	13.80	10.92	11.01	11.59	11.21	11.22	14.86	---	10.86	10.11	10.74
29	11.46	13.42	10.83	10.95	---	11.18	11.23	14.90	---	10.80	10.07	10.65
30	11.38	13.09	10.74	10.79	---	11.44	11.17	14.81	---	10.77	10.05	10.59
31	11.34	---	10.66	10.73	---	13.04	---	14.73	---	10.74	10.07	---
MEAN	11.51	11.27	12.01	10.59	12.94	13.02	12.22	14.03	---	---	10.50	10.99
MAX	16.24	14.46	14.34	11.06	16.61	15.16	14.83	17.09	17.60	---	10.95	12.12
MIN	10.11	10.10	10.66	10.30	10.74	11.18	10.64	11.10	---	10.74	10.05	10.07

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", at NW corner lot 63, T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 31, at Arnaudville, and 270 ft (82 m) upstream from Bayou Fusilier.

DRAINAGE AREA.--Indeterminate. See REMARKS.

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 11, 1949, nonrecording gage. May 12, 1949 to May 11, 1960, water-stage recorder, May 26, 1960 to Aug. 15, 1961, nonrecording gage. All gages at same site and datum. Water-stage recorder for Bayou Teche at Robin (station 07385470) used as auxiliary gage for this station. Prior to Feb. 4, 1953, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good except for period of indefinite stage-discharge relationship which are poor. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at Weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaises floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi^2 (197 km^2), into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Records of water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--32 years, 563 ft3/s (15.94 m^3/s) 595,500 acre-ft/yr (734 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft3/s (131 m^3/s) May 24, 1953; maximum elevation, 24.27 ft (7.397 m) May 23, 1953; minimum discharge, 53 ft3/s (1.50 m^3/s) Aug. 12, 1965, minimum elevation, 6.78 ft (2.067 m) Oct. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,700 ft3/s (48.1 m^3/s) June 5; maximum elevation, 17.06 ft (5.200 m) June 6; minimum daily discharge, 190 ft3/s (5.38 m^3/s) Nov. 15; minimum elevation, 9.90 ft (3.018 m) Aug 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	212	356	582	262	309	447	1060	381	1050	550	281	200
2	209	342	514	256	351	427	1150	388	1100	520	277	200
3	211	325	478	250	391	407	1130	428	1090	760	271	227
4	217	308	446	242	478	413	1100	489	1110	870	265	266
5	211	296	416	242	800	831	1050	1400	1320	980	266	296
6	218	287	393	240	1300	1300	988	1470	1620	1080	270	310
7	221	277	378	239	1180	1150	920	1380	1580	1000	280	310
8	220	268	366	236	1100	1000	855	1200	1520	960	296	300
9	221	252	490	236	918	929	781	1050	1410	940	314	292
10	224	240	899	232	801	1130	700	951	1260	910	321	288
11	221	228	815	237	1140	1210	624	923	1300	890	316	292
12	220	221	727	233	1070	1220	562	1060	1380	870	303	292
13	219	212	651	238	857	1190	513	1070	1330	850	290	294
14	219	202	601	233	788	1160	481	1040	1220	840	280	302
15	217	190	593	233	804	1120	449	1010	1110	830	268	333
16	213	198	570	234	771	1060	422	978	1170	790	258	434
17	209	252	563	232	716	1000	398	974	1020	720	252	508
18	889	229	544	237	677	951	380	986	940	660	248	503
19	850	229	509	240	649	883	364	957	860	580	246	467
20	820	259	473	272	638	804	341	908	810	530	247	428
21	780	283	449	306	626	718	319	838	800	485	245	392
22	768	312	426	320	605	642	308	752	780	430	245	367
23	684	496	404	330	580	559	303	665	770	400	244	349
24	575	438	377	337	560	495	315	586	775	380	236	335
25	508	398	360	345	542	473	336	515	730	355	228	326
26	454	708	342	345	509	448	363	504	710	335	218	316
27	418	742	324	343	485	426	388	882	685	317	207	300
28	388	751	310	340	464	409	400	1100	650	300	204	285
29	383	721	297	340	---	405	400	1110	620	295	197	275
30	376	657	283	323	---	488	390	1080	580	291	194	266
31	371	---	277	312	---	772	---	1060	---	289	197	---
TOTAL	11946	10677	14857	8465	20109	24467	17790	28135	31300	20007	7964	9753
MEAN	385	356	479	273	718	789	593	908	1043	645	257	325
MAX	889	751	899	345	1300	1300	1150	1470	1620	1080	321	508
MIN	209	190	277	232	309	405	303	381	580	289	194	200
AC-FT	23690	21180	29470	16790	39890	48530	35290	55810	62080	39680	15800	19350

CAL YR 1980 TOTAL 281058 MEAN 768 MAX 2310 MIN 186 AC-FT 557500
WTR YR 1981 TOTAL 205470 MEAN 563 MAX 1620 MIN 190 AC-FT 407500

NOTE: Indefinite stage-discharge relation all or part of each day, Oct. 9-11, Feb. 5-7, June 5, 11.

07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.99	11.05	12.38	10.38	10.47	11.08	13.69	10.73	14.19	12.22	10.47	9.92
2	9.94	10.95	12.05	10.30	10.71	10.98	14.13	10.74	14.30	12.39	10.44	10.02
3	9.95	10.85	11.77	10.28	10.96	10.86	14.14	10.93	14.25	14.06	10.40	10.18
4	9.97	10.75	11.62	10.25	11.44	10.83	14.03	11.24	14.31	14.18	10.37	10.45
5	10.03	10.66	11.45	10.22	12.50	12.28	13.85	15.97	15.38	14.49	10.38	10.63
6	10.07	10.58	11.32	10.21	16.50	14.32	13.61	16.55	17.02	14.98	10.42	10.70
7	10.08	10.51	11.22	10.23	15.85	14.05	13.35	16.23	16.88	14.40	10.48	10.67
8	10.07	10.44	11.13	10.21	14.60	13.50	13.08	15.33	16.34	14.62	10.56	10.60
9	10.08	10.37	11.95	10.20	13.25	13.13	12.80	14.50	15.55	14.53	10.67	10.52
10	10.08	10.29	13.91	10.19	13.10	13.74	12.45	14.02	15.13	14.37	10.74	10.51
11	10.10	10.20	13.46	10.18	14.15	14.08	12.10	13.70	16.04	14.33	10.67	10.52
12	10.10	10.13	12.98	10.19	13.52	14.08	11.79	14.14	16.38	14.11	10.58	10.54
13	10.09	10.07	12.62	10.19	13.00	14.01	11.54	14.22	15.72	14.19	10.48	10.58
14	10.08	10.01	12.35	10.20	12.79	13.88	11.37	14.14	14.97	14.19	10.40	10.63
15	10.07	9.96	12.28	10.19	12.71	13.73	11.20	14.01	14.32	14.05	10.33	10.76
16	10.05	9.97	12.19	10.16	12.51	13.55	11.04	13.88	14.44	13.78	10.27	11.31
17	10.03	10.37	12.16	10.11	12.29	13.32	10.91	13.86	14.39	13.42	10.25	11.71
18	13.95	10.22	12.06	10.10	12.15	13.07	10.81	13.89	14.27	12.99	10.22	11.77
19	16.00	10.17	11.91	10.12	12.05	12.91	10.72	13.80	14.24	12.54	10.23	11.61
20	15.47	10.33	11.73	10.32	12.02	12.50	10.59	13.59	14.17	12.14	10.23	11.40
21	14.84	10.51	11.55	10.52	11.95	12.15	10.45	13.29	14.08	11.78	10.23	11.20
22	14.00	10.65	11.39	10.60	11.86	11.82	10.37	12.92	13.96	11.52	10.22	11.05
23	12.83	12.39	11.26	10.67	11.75	11.52	10.34	12.51	13.90	11.39	10.20	10.94
24	12.09	11.78	11.15	10.73	11.65	11.27	10.41	12.12	13.83	11.22	10.17	10.86
25	11.81	11.36	11.00	10.77	11.49	11.13	10.49	11.77	13.72	11.05	10.10	10.79
26	11.52	13.57	10.89	10.78	11.39	11.01	10.63	11.80	13.62	10.88	10.03	10.73
27	11.27	14.22	10.78	10.76	11.28	10.89	10.76	13.47	13.32	10.75	10.00	10.64
28	11.22	13.44	10.69	10.73	11.16	10.79	10.84	14.26	13.02	10.64	9.95	10.53
29	11.20	13.02	10.61	10.65	---	10.76	10.84	14.30	12.72	10.59	9.91	10.44
30	11.08	12.72	10.53	10.49	---	11.16	10.79	14.22	12.44	10.55	9.90	10.38
31	11.08	---	10.45	10.44	---	12.41	---	14.16	---	10.52	9.92	---
MEAN	11.26	11.05	11.70	10.37	12.47	12.41	11.77	13.56	14.56	12.80	10.30	10.75
MAX	16.00	14.22	13.91	10.78	16.50	14.32	14.14	16.55	17.02	14.98	10.74	11.77
MIN	9.94	9.96	10.45	10.10	10.47	10.76	10.34	10.73	12.44	10.52	9.90	9.92

07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'55", long 91°56'41", in center of N1/2 lot 45 T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080103, on right bank 95 ft (29 m) upstream from weir, 0.6 mi (1.0 km) west of Arnaudville, and 0.9 mi (1.4 km) downstream from point of diversion from Bayou Teche.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1980 to September 1981 (gage heights only).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 23.95 ft (7.300 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Bayou Fusilier is a distributary of Bayou Teche into the Vermilion River basin. For other diversions that occur in the Bayou Teche basin above this distributary, see Bayou Teche at Arnaudville (station 07385500).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.74 ft (5.102 m) Oct. 18; minimum gage height, 9.41 ft (2.868 m) Oct. 1, 2, 3, Aug. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.45	10.47	11.74	9.83	9.87	10.52	12.97	10.18	13.41	11.59	9.94	9.43
2	9.42	10.39	11.42	9.77	10.06	10.42	13.38	10.19	13.53	11.83	9.90	9.47
3	9.43	10.29	11.19	9.74	10.29	10.32	13.38	10.36	13.47	13.57	9.87	9.66
4	9.45	10.09	11.01	9.71	10.77	10.29	13.28	10.66	13.53	13.51	9.84	9.90
5	9.51	10.00	10.84	9.69	11.83	11.60	13.12	14.45	14.54	13.77	9.85	10.08
6	9.54	10.03	10.71	9.68	16.09	13.56	12.89	16.08	16.48	14.24	9.88	10.15
7	9.55	9.96	10.61	9.69	15.52	13.33	12.65	15.71	16.34	13.76	9.94	10.13
8	9.55	9.89	10.53	9.67	14.16	12.82	12.40	14.71	15.68	13.94	10.02	10.06
9	9.55	9.82	11.32	9.67	12.71	12.46	12.12	13.82	14.76	13.79	10.13	9.99
10	9.56	9.75	13.31	9.66	12.45	13.02	11.79	13.36	14.31	13.63	10.16	9.97
11	9.57	9.67	12.77	9.65	13.43	13.34	11.46	13.01	15.30	13.59	10.13	9.99
12	9.57	9.62	12.29	9.65	12.84	13.35	11.17	13.38	15.88	13.38	10.04	10.01
13	9.56	9.55	11.94	9.65	12.18	13.28	10.93	13.46	15.12	13.45	9.95	10.04
14	9.55	9.50	11.69	9.65	12.14	13.16	10.77	13.37	14.32	13.46	9.88	10.08
15	9.54	9.45	11.63	9.65	12.07	13.02	10.61	13.25	13.68	13.32	9.81	10.24
16	9.52	9.46	11.53	9.62	11.88	12.84	10.47	13.13	13.69	13.08	9.75	10.74
17	9.50	9.82	11.50	9.58	11.67	12.63	10.35	13.11	13.64	12.74	9.72	11.11
18	13.78	9.69	11.41	9.57	11.54	12.39	10.26	13.14	13.52	12.34	9.70	11.17
19	16.31	9.65	11.27	9.59	11.44	12.15	10.17	13.05	13.49	11.79	9.71	11.02
20	15.56	9.79	11.10	9.76	11.41	11.85	9.96	12.86	13.43	11.53	9.71	10.82
21	14.78	9.96	10.93	9.91	11.35	11.51	9.58	12.58	13.35	11.19	9.71	10.64
22	13.51	10.13	10.78	10.00	11.27	11.20	9.59	12.23	13.24	10.94	9.71	10.49
23	12.19	11.91	10.67	10.08	11.16	10.92	9.57	11.84	13.20	10.82	9.69	10.38
24	11.65	11.21	10.56	10.13	11.06	10.68	9.64	11.47	13.12	10.66	9.66	10.31
25	11.24	10.77	10.42	10.16	10.93	10.55	9.62	11.16	13.01	10.49	9.59	10.25
26	10.85	13.21	10.32	10.16	10.81	10.42	10.08	11.17	12.92	10.33	9.53	10.19
27	10.75	13.74	10.22	10.15	10.71	10.33	10.21	12.73	12.64	10.20	9.50	10.11
28	10.65	12.85	10.13	10.12	10.60	10.23	10.29	13.48	12.36	9.99	9.45	10.00
29	10.62	12.37	10.05	10.05	---	10.20	10.29	13.53	12.07	10.05	9.42	9.92
30	10.54	12.07	9.98	9.91	---	10.40	10.23	13.45	11.81	10.01	9.41	9.86
31	10.51	---	9.90	9.86	---	11.73	---	13.39	---	9.98	9.43	---
MEAN	10.80	10.50	11.09	9.81	11.87	11.76	11.11	12.85	13.86	12.16	9.78	10.21
MAX	16.31	13.74	13.31	10.16	16.09	13.56	13.38	16.08	16.48	14.24	10.16	11.17
MIN	9.42	9.45	9.90	9.57	9.87	10.20	9.57	10.18	11.81	9.98	9.41	9.43

08010000 BAYOU DES CANNES NEAR EUNICE, LA

LOCATION.--Lat 30°29'00", long 92°29'25", in SW1/4SE1/4 sec.32, T.6 S., R.1 W., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080201, on left bank at downstream side of bridge on U.S. Highway 190, 3.0 mi (4.8 km) downstream from New Orleans, Texas, and Mexico Railway Co. bridge, and 4.0 mi (6.4 km) west of Eunice.

DRAINAGE AREA.--131 mi^2 (339 km^2).

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1242: 1950(P).

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft (4.523 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Auxiliary water-stage recorder 1.8 mi (2.9 km) downstream from base gage. Datum of auxiliary gage is 13.70 ft (4.176 m) National Geodetic Vertical Datum of 1929. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Records good. Small diversion above station. Records of water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--43 years, 264 ft^3/s (7.476 m^3/s), 27.37 in/yr (695 mm/yr), 191,000 acre-ft/yr (236 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft^3/s (337 m^3/s) May 20, 1953, gage height, 22.36 ft (6.82 m). No flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,350 ft^3/s (94.9 m^3/s) May 5, gage height, 17.30 ft (5.273 m); minimum, 0.06 ft^3/s (0.002 m^3/s) Oct. 18; minimum gage height, 0.66 ft (0.201 m) Oct. 17, 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	4.2	13	3.3	53	9.3	138	31	4.8	8.5	67	1.7
2	24	3.7	9.4	2.9	267	7.6	82	124	159	196	48	1.8
3	9.6	2.8	12	2.3	75	6.1	53	70	255	756	30	22
4	4.7	2.5	11	2.1	27	186	64	129	325	439	28	36
5	3.4	2.1	10	1.9	170	621	53	2700	623	971	32	14
6	2.6	2.1	9.5	2.0	1270	146	42	2560	2050	1800	60	7.6
7	1.9	2.0	8.0	7.2	461	45	72	1030	873	1320	58	4.6
8	1.5	1.9	6.2	12	108	22	69	297	210	749	66	3.1
9	1.3	1.8	609	8.0	61	13	40	106	89	347	51	3.4
10	1.2	1.4	1500	6.3	1310	12	51	241	86	220	29	15
11	.96	1.1	562	4.0	1670	8.5	56	157	600	304	72	10
12	.80	.82	112	2.7	450	5.0	38	86	2000	219	96	3.3
13	.71	.80	60	1.8	91	4.7	42	64	510	243	34	3.1
14	.37	.88	38	1.5	52	6.8	42	42	118	272	17	15
15	.19	1.1	23	1.3	38	25	28	33	90	276	7.8	19
16	.13	2.5	18	1.5	32	14	8.6	75	42	211	6.5	88
17	.10	7.0	15	4.6	28	5.2	32	377	23	185	4.9	30
18	10	5.7	14	3.4	30	5.3	31	88	13	150	5.8	11
19	153	5.9	11	2.9	26	4.7	18	36	8.5	100	4.8	5.3
20	81	5.6	7.5	51	31	3.0	10	15	7.0	63	4.1	3.3
21	29	4.6	6.0	78	34	9.1	13	6.0	5.6	65	2.9	3.4
22	14	4.8	4.9	33	28	29	16	4.1	4.2	68	1.9	2.9
23	9.4	50	5.1	14	21	15	16	3.7	3.5	46	1.2	2.3
24	6.3	56	6.4	8.8	17	9.6	150	3.0	19	45	1.1	2.1
25	4.1	24	6.3	4.7	11	8.1	103	4.6	8.9	59	1.3	1.9
26	3.2	238	4.3	3.3	8.5	6.1	49	7.1	5.7	54	1.2	2.0
27	3.6	333	3.8	3.8	14	17	30	3.1	5.2	34	1.0	2.0
28	41	103	3.2	4.5	12	25	16	2.0	7.2	156	.75	2.0
29	36	43	2.4	3.0	---	45	13	3.8	13	420	.75	2.1
30	11	21	2.3	2.2	---	299	11	4.4	16	147	1.7	2.2
31	5.7	---	2.7	1.4	---	233	---	2.9	---	88	1.9	---
TOTAL	503.76	933.30	3096.0	279.4	6395.5	1846.1	1386.6	8305.7	8174.6	10011.5	737.60	320.1
MEAN	16.3	31.1	99.9	9.01	228	59.6	46.2	268	272	323	23.8	10.7
MAX	153	333	1500	78	1670	621	150	2700	2050	1800	96	88
MIN	.10	.80	2.3	1.3	8.5	3.0	8.6	2.0	3.5	8.5	.75	1.7
CFSM	.12	.24	.76	.07	1.74	.46	.35	2.05	2.08	2.47	.18	.08
IN.	.14	.27	.88	.08	1.82	.52	.39	2.36	2.32	2.84	.21	.09
AC-FT	999	1850	6140	554	12690	3660	2750	16470	16210	19860	1460	635

CAL YR 1980 TOTAL 109942.60 MEAN 300 MAX 6020 MIN .10 CFSM 2.29 IN 31.22 AC-FT 218100
WTR YR 1981 TOTAL 41990.16 MEAN 115 MAX 2700 MIN .10 CFSM .88 IN 11.92 AC-FT 83290

08010000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.62	1.27	1.93	1.47	2.61	1.73	5.10	2.53	1.49	1.71	3.32	1.07
2	2.09	1.22	1.78	1.43	6.01	1.63	3.98	4.79	5.08	3.90	2.85	1.10
3	1.57	1.15	1.94	1.38	3.72	1.53	3.27	3.61	6.06	10.97	2.36	2.13
4	1.25	1.12	1.86	1.37	2.58	4.38	3.56	3.93	7.70	8.66	2.30	2.52
5	1.16	1.08	1.83	1.35	3.89	9.76	3.27	16.19	8.78	10.52	2.44	2.03
6	1.09	1.08	1.81	1.35	13.25	4.94	2.99	16.64	14.55	15.23	3.16	1.55
7	1.02	1.06	1.72	1.76	10.00	2.49	3.73	13.35	11.61	14.03	3.11	1.36
8	.97	1.06	1.67	2.05	6.86	2.25	3.66	7.77	6.13	11.53	3.30	1.22
9	.95	1.04	7.33	1.84	3.34	1.95	2.93	4.43	3.87	7.89	2.93	1.25
10	.93	1.00	14.35	1.73	11.30	1.94	3.20	6.29	3.81	6.24	2.35	1.87
11	.90	.95	10.16	1.96	15.10	1.74	3.32	5.33	12.24	7.11	3.44	1.60
12	.88	.91	4.81	1.46	9.63	1.52	2.87	4.00	15.31	6.12	4.04	1.23
13	.86	.91	3.31	1.37	6.09	1.51	2.98	3.45	12.13	8.40	2.48	1.21
14	.77	.92	2.76	1.34	3.08	1.65	2.95	2.89	4.49	6.72	1.98	1.05
15	.71	.98	2.35	1.32	2.72	2.38	2.58	2.63	3.91	6.76	1.57	2.03
16	.68	1.11	2.20	1.34	2.54	2.05	1.88	3.11	2.79	5.96	1.48	3.66
17	.67	1.46	2.10	1.63	2.43	1.57	2.68	7.74	2.28	5.56	1.37	2.21
18	1.34	1.38	2.05	1.54	2.47	1.59	2.66	3.98	1.92	5.04	1.43	1.59
19	4.93	1.39	1.92	1.49	2.36	1.55	2.27	2.71	1.71	4.10	1.36	1.23
20	3.58	1.37	1.74	3.19	2.48	1.41	1.96	2.05	1.61	3.22	1.31	1.07
21	2.28	1.30	1.63	3.89	2.57	1.77	2.06	1.62	1.52	3.27	1.21	1.00
22	1.79	1.31	1.56	2.94	2.40	2.57	2.21	1.47	1.41	3.35	1.11	1.03
23	1.59	2.83	1.58	2.18	2.19	2.11	2.14	1.45	1.36	2.80	1.03	.98
24	1.39	3.81	1.67	1.92	2.05	1.91	5.08	1.37	2.11	2.78	1.01	.95
25	1.25	2.19	1.64	1.63	1.81	1.82	4.38	1.51	1.73	3.13	1.04	.94
26	1.17	5.32	1.53	1.51	1.66	1.69	3.11	1.68	1.53	2.99	1.03	.95
27	1.20	7.35	1.49	1.54	1.94	2.29	2.60	1.38	1.49	2.49	1.00	.95
28	2.50	4.26	1.45	1.60	1.87	2.48	2.16	1.26	1.63	4.41	.95	.95
29	2.47	2.83	1.38	1.48	---	3.04	2.06	1.43	1.92	8.17	.95	.96
30	1.66	2.23	1.36	1.30	---	6.99	1.95	1.48	2.05	5.04	1.07	.97
31	1.36	---	1.41	1.29	---	6.38	---	1.35	---	3.05	1.11	---
MEAN	1.56	1.83	2.78	1.72	4.68	2.67	2.99	4.29	4.80	6.13	1.96	1.45
MAX	4.93	7.35	14.35	3.89	15.10	9.76	5.10	16.64	15.31	15.23	4.04	3.66
MIN	.67	.91	1.36	1.29	1.66	1.41	1.88	1.26	1.36	1.71	.95	.94

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

LOCATION.--Lat 30°28'50", long 92°37'55", in NE1/4NW1/4 sec.1, T.7 S., R.3 W., Evangeline Parish, Hydrologic Unit 08080201, near left bank on U.S. Highway 190, 1,300 ft (400 m) downstream from New Orleans, Texas, and Mexico Railway Co. bridge, and 2.0 mi (3.2 km) west of Basile.

DRAINAGE AREA.--527 mi² (1,365 km²).

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1512: 1945-55.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft (1.033 m) National Geodetic Vertical Datum of 1929. Prior to July 1947, nonrecording gage at same site and datum. Water-stage recorder for Bayou Nezpique at Mamou pumping plant near Basile (station 08012020) used as auxiliary for this station since July 7, 1979. Mar. 27, 1945, to July 6, 1979, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation. Records of water temperatures for the water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--43 years 814 ft³/s (23.05 m³/s) 20.98 in/yr (533 mm/yr), 589,700 acre-ft/yr (727 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft³/s (1,010 m³/s) May 20, 1953, gage height, 34.39 ft (10.482 m); minimum discharge, 0.1 ft³/s (0.003 m³/s) June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft (0.305 m) June 28, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,290 ft³/s (121 m³/s) June 14, gage height, 20.05 ft (6.111 m); minimum, 2.9 ft³/s (0.082 m³/s) Nov. 15, gage height, 1.24 ft (0.378 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	40	92	7.7	16	17	3640	79	70	124	297	11
2	143	32	64	7.7	37	16	2850	117	73	196	217	11
3	84	22	45	7.3	108	13	2300	171	70	973	119	12
4	44	18	33	7.1	94	33	1820	150	305	1750	83	16
5	29	13	25	7.1	79	480	1070	1110	682	2250	146	39
6	22	11	20	8.1	478	1120	416	2600	1440	2530	230	47
7	19	7.9	17	9.2	937	1040	273	3410	2310	2740	148	33
8	15	6.9	15	15	591	820	218	3390	2400	2730	86	23
9	11	6.3	110	22	362	597	187	2930	2070	2330	70	17
10	11	5.9	1260	18	329	307	187	2400	1690	1810	68	13
11	12	5.7	1880	13	878	150	179	1840	1590	1290	55	12
12	9.6	4.9	1500	9.8	686	94	209	1000	2640	739	62	9.9
13	7.1	3.8	771	7.9	360	73	212	366	3480	508	132	11
14	6.3	3.4	378	7.9	207	62	179	229	3520	555	99	12
15	5.9	3.2	209	8.1	126	60	180	176	3160	592	79	28
16	5.8	3.8	115	9.6	86	66	166	128	2650	528	64	43
17	5.6	5.8	75	13	65	75	138	260	2160	432	47	35
18	6.9	6.3	55	12	56	79	124	421	1820	364	35	23
19	715	11	45	12	45	98	102	397	1110	271	26	20
20	1150	11	37	29	40	86	95	281	364	210	21	20
21	594	8.3	29	128	38	72	95	172	183	198	19	14
22	272	6.9	23	166	33	66	88	105	144	175	16	12
23	136	8.1	20	117	28	92	75	72	204	160	14	11
24	73	19	17	82	24	92	192	54	451	160	20	9.0
25	45	39	15	62	20	90	330	48	420	132	29	5.9
26	30	52	13	44	17	87	279	53	327	111	20	4.4
27	21	209	12	34	16	77	213	57	253	88	14	3.5
28	19	317	11	26	17	92	156	61	217	101	13	3.0
29	14	219	10	26	---	166	114	86	176	171	12	3.2
30	20	139	8.8	21	---	1340	92	104	142	207	13	3.7
31	27	---	7.9	16	---	3320	---	90	---	189	12	---
TOTAL	3699.0	1239.2	6911.7	953.5	5771	10778	15979	22355	36121	24576	2265	505.6
MEAN	119	41.3	223	30.8	206	348	533	721	1204	793	73.1	16.9
MAX	1150	317	1880	166	937	3320	3640	3410	3520	2740	297	47
MIN	5.6	3.2	7.9	7.1	16	13	75	48	70	88	12	3.0
AC-FT	7340	2460	13710	1890	11450	21380	31690	44340	71650	48750	4490	1000

CAL YR 1980 TOTAL 386751.0 MEAN 1057 MAX 12500 MIN 3.2 AC-FT 767100
WTR YR 1981 TOTAL 131152.4 MEAN 359 MAX 3520 MIN 3.0 AC-FT 260100

08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.70	2.61	3.80	1.51	1.85	1.89	19.20	3.55	3.35	4.37	6.81	1.67
2	4.67	2.38	3.20	1.51	2.51	1.85	18.75	4.23	3.42	5.35	5.73	1.65
3	3.62	2.06	2.76	1.49	4.09	1.75	17.95	5.07	3.33	11.71	4.28	1.68
4	2.72	1.91	2.42	1.48	3.84	2.23	16.80	4.76	6.66	14.91	3.63	1.85
5	2.30	1.73	2.18	1.48	3.54	8.46	14.28	11.72	10.38	16.54	4.62	2.58
6	2.06	1.60	2.01	1.53	8.91	12.45	10.29	17.23	13.70	17.55	5.92	2.79
7	1.94	1.52	1.89	1.58	12.02	12.28	7.16	18.87	16.56	18.22	4.73	2.41
8	1.82	1.47	1.81	1.77	10.19	11.24	5.74	19.28	17.06	18.43	3.69	2.11
9	1.66	1.44	3.62	2.06	7.60	9.80	5.30	18.96	16.63	17.91	3.35	1.91
10	1.62	1.42	12.95	1.92	7.22	6.91	5.29	18.22	15.82	16.75	3.30	1.75
11	1.67	1.41	15.40	1.74	11.40	4.76	5.18	16.98	14.28	14.98	2.99	1.66
12	1.58	1.36	14.57	1.61	10.64	3.84	5.61	14.27	18.42	12.48	3.12	1.60
13	1.48	1.30	11.77	1.52	7.57	3.41	5.65	10.20	19.73	10.56	4.50	1.66
14	1.44	1.27	8.20	1.52	5.58	3.17	5.19	6.98	20.02	9.96	3.94	1.70
15	1.42	1.26	5.61	1.53	4.40	3.13	5.20	5.13	19.71	9.85	3.54	2.23
16	1.40	1.30	4.21	1.54	3.68	3.26	5.01	4.43	18.99	9.36	3.20	2.71
17	1.40	1.41	3.45	1.75	3.24	3.46	4.60	6.28	18.02	8.41	2.79	2.46
18	1.47	1.44	3.00	1.70	2.97	3.55	4.36	8.31	17.05	7.41	2.47	2.11
19	9.91	1.65	2.74	1.66	2.74	3.91	3.99	8.03	14.73	6.48	2.20	2.00
20	12.64	1.67	2.52	2.26	2.62	3.65	3.86	6.60	10.44	---	2.04	1.99
21	9.79	1.54	2.28	4.37	2.57	3.40	3.87	5.09	6.85	---	1.98	1.77
22	6.46	1.67	2.09	5.00	2.41	3.25	3.72	4.03	4.80	---	1.85	1.66
23	4.50	1.53	1.98	4.25	2.27	3.80	3.46	3.38	5.39	---	1.77	1.65
24	3.41	1.95	1.91	3.61	2.14	3.80	5.34	2.99	8.61	---	1.99	1.52
25	2.75	2.59	1.82	3.16	2.00	3.75	7.22	2.84	8.29	4.50	2.27	1.42
26	2.31	2.91	1.73	2.77	1.92	3.70	6.58	2.94	7.18	4.15	1.99	1.33
27	2.05	5.57	1.68	2.45	1.87	3.50	5.68	3.04	6.24	3.71	1.77	1.28
28	1.98	7.07	1.64	2.21	1.89	3.80	4.85	3.15	5.73	3.95	1.73	1.25
29	1.87	5.75	1.60	2.13	---	4.98	4.20	3.67	5.14	5.08	1.68	1.26
30	1.99	4.60	1.56	2.02	---	12.61	3.90	4.03	4.66	5.59	1.75	1.29
31	2.24	---	1.52	1.87	---	18.62	---	3.76	---	4.93	1.70	---
MEAN	3.25	2.24	4.13	2.16	4.77	5.49	7.27	8.00	11.44	---	3.14	1.83
MAX	12.64	7.07	15.40	5.00	12.02	18.62	19.20	19.28	20.02	18.43	6.81	2.79
MIN	1.40	1.26	1.52	1.48	1.85	1.75	3.46	2.84	3.33	3.71	1.68	1.25

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

LOCATION.--Lat 30°59'45", long 92°40'25", in SE1/4SE1/4 sec.4, T.1 S., R.3W., Louisiana meridian, Rapides Parish, Hydrologic Unit 08080203, on right bank on downstream side of bridge on State Highway 113, 1.0 mi (1.6 km) upstream from Prairie Branch, and 4.6 mi (7.4 km) northwest of Glenmora.

DRAINAGE AREA.--499 mi^2 (1,292 km^2).

PERIOD OF RECORD.--August 1943 to current year.

REVISED RECORD.--WSP 1118: 1944-47.

GAGE.--Water-stage recorder. Datum of gage is 110.77 ft (33.763 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 19, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--38 years, 711 ft^3/s (20.14 m^3/s), 19.35 in/yr (491 mm/yr), 515,100 acre-ft/yr (635 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,900 ft^3/s (1,700 m^3/s) May 19, 1953, gage height, 21.55 ft (6.568 m); minimum, 15 ft^3/s (0.42 m^3/s) Sept. 27, 28, Oct. 7-9, 1954, Oct. 18, 1956; minimum gage height, 3.86 ft (1.177 m) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft^3/s (113 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
June 8	unknown	*9370	265	a15.47	4.715

a Annual maximum from flood mark.

Minimum discharge, 18 ft^3/s (0.51 m^3/s) Oct. 16, 17, 18, minimum gage height, 4.26 ft (1.298 m) Oct. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	87	98	38	64	97	201	49	52	275	100	25
2	25	75	87	38	91	92	210	48	50	176	200	26
3	24	58	76	37	301	88	195	71	54	190	293	29
4	24	48	67	37	614	158	178	102	78	270	289	30
5	24	41	60	36	1280	700	160	144	111	360	164	29
6	23	37	55	37	3150	1230	148	176	190	465	90	28
7	22	34	50	39	3620	2130	138	338	1000	562	56	27
8	22	31	47	39	2720	2880	123	470	7140	697	51	27
9	21	29	58	40	1950	2580	108	503	7400	988	48	27
10	21	27	59	44	1420	2210	97	438	4950	1260	46	26
11	21	27	74	48	1060	1960	88	335	3650	1380	45	26
12	20	26	128	49	775	1430	81	384	3130	900	43	25
13	19	25	173	50	538	769	75	400	2760	489	42	25
14	19	25	162	48	394	400	70	393	2450	278	41	26
15	19	25	127	47	308	271	65	318	1880	347	40	26
16	19	28	103	45	251	213	61	231	1220	380	39	25
17	18	33	89	43	209	181	58	169	649	205	38	25
18	21	39	79	42	181	158	55	188	393	145	36	25
19	24	53	71	41	166	140	52	278	236	120	34	26
20	26	121	66	45	156	125	50	349	180	103	34	29
21	52	202	60	49	148	116	48	337	140	86	32	29
22	94	187	54	61	142	114	46	265	114	73	30	26
23	84	130	51	98	133	116	53	187	98	67	30	25
24	59	95	49	120	125	136	60	129	92	61	29	23
25	46	77	46	123	119	165	54	97	99	55	28	22
26	38	73	43	112	115	160	55	87	260	52	28	22
27	33	76	42	100	111	146	65	79	580	50	27	21
28	34	81	41	88	104	133	59	75	560	49	26	21
29	37	91	40	78	---	121	54	69	507	47	26	20
30	45	98	39	70	---	136	50	62	451	45	25	20
31	69	---	39	64	---	167	---	56	---	58	25	---
TOTAL	1029	1979	2233	1806	20245	19330	2757	6827	40474	10233	2035	761
MEAN	33.2	66.0	72.0	58.3	723	624	91.9	220	1349	330	65.6	25.4
MAX	94	202	173	123	3620	2880	210	503	7400	1380	293	30
MIN	18	25	39	36	64	88	46	48	50	45	25	20
CFSM	.07	.13	.14	.12	1.45	1.25	.18	.44	2.70	.66	.13	.05
IN.	.08	.15	.17	.13	1.51	1.44	.21	.51	3.02	.76	.15	.06
AC-FT	2040	3930	4430	3580	40160	38340	5470	13540	80280	20300	4040	1510

CAL YR 1980 TOTAL 293215 MEAN 801 MAX 13800 MIN 18 CFSM 1.61 IN 21.86 AC-FT 581600
WTR YR 1981 TOTAL 109709 MEAN 301 MAX 7400 MIN 18 CFSM .60 IN 8.18 AC-FT 217600

08013000 CALCASIEU RIVER NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.41	5.87	6.07	4.78	5.37	6.86	7.51	4.99	5.06	8.08	---	4.41
2	4.36	5.61	5.87	4.76	5.90	5.97	7.61	4.97	5.02	7.08	---	4.44
3	4.37	5.23	5.63	4.75	8.38	5.89	7.45	5.50	5.13	---	8.08	4.52
4	4.37	5.00	5.43	4.74	10.27	6.94	7.26	6.15	5.67	---	8.06	4.54
5	4.37	4.85	5.27	4.72	11.72	10.55	7.02	6.00	6.30	---	6.88	4.51
6	4.35	4.74	5.15	4.74	13.23	11.69	6.85	7.22	---	9.22	5.80	4.49
7	4.33	4.66	5.06	4.79	13.50	12.62	6.72	8.72	---	9.89	5.19	4.46
8	4.33	4.60	4.98	4.79	13.03	13.20	6.50	9.65	14.87	10.50	5.02	4.47
9	4.32	4.54	5.24	4.80	12.50	12.94	6.26	9.86	---	11.24	---	4.47
10	4.31	4.51	5.25	4.91	11.96	12.71	6.05	9.44	14.30	11.73	---	4.44
11	4.30	4.49	5.59	4.99	11.44	12.52	5.88	8.73	13.81	11.92	---	4.43
12	4.29	4.47	6.56	5.02	10.82	11.95	5.74	9.08	13.55	---	---	4.42
13	4.28	4.46	7.19	5.05	10.00	10.76	5.61	9.20	---	9.39	---	4.41
14	4.27	4.46	7.05	5.01	9.15	9.18	5.49	9.15	---	7.97	---	4.43
15	4.27	4.45	6.55	4.97	8.51	8.20	5.38	8.59	12.52	8.48	---	4.43
16	4.27	4.52	6.16	4.92	8.01	7.65	5.28	7.83	11.70	8.70	---	4.41
17	4.27	4.66	5.90	4.88	7.60	7.28	5.21	7.13	10.53	7.33	4.72	4.41
18	4.33	4.79	5.69	4.86	7.29	7.00	5.13	7.37	9.15	---	4.67	4.39
19	4.42	5.11	5.53	4.83	7.10	6.74	5.07	8.26	7.88	---	4.63	4.41
20	4.47	6.42	5.40	4.93	6.96	6.53	5.02	8.84	---	6.03	4.62	4.49
21	5.08	7.52	5.27	5.02	6.85	6.38	4.97	8.75	---	5.73	4.58	4.49
22	6.01	7.35	5.14	5.30	6.77	6.36	4.92	8.14	6.35	5.48	4.54	4.43
23	5.80	6.59	5.07	6.07	6.65	6.39	5.08	7.35	6.07	5.35	4.53	4.39
24	5.26	6.01	5.02	6.46	6.53	6.68	5.29	6.58	---	5.24	4.50	4.36
25	4.95	5.65	4.95	6.50	6.44	7.08	5.12	6.06	6.10	---	4.49	4.36
26	4.76	5.57	4.89	6.32	6.37	7.02	5.13	5.85	7.97	---	4.48	4.33
27	4.66	5.62	4.85	6.11	6.30	6.82	5.37	5.70	---	4.99	4.46	4.32
28	4.68	5.74	4.84	5.88	6.19	6.64	5.24	5.60	---	4.97	4.44	4.30
29	4.74	5.94	4.82	5.68	---	6.47	5.12	5.46	9.76	4.93	4.43	4.29
30	4.92	6.09	4.80	5.50	---	6.66	5.03	5.31	9.36	4.90	4.42	4.29
31	5.47	---	4.79	5.37	---	7.11	---	5.17	---	5.19	4.41	---
MEAN	4.61	5.32	5.48	5.21	8.74	8.39	5.81	7.34	---	---	---	4.42
MAX	6.01	7.52	7.19	6.50	13.50	13.20	7.61	9.86	---	11.92	8.08	4.54
MIN	4.27	4.45	4.79	4.72	5.37	5.89	4.92	4.97	5.02	4.90	4.41	4.29

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

LOCATION.--Lat 30°38'25", long 92°48'50", in NW1/4NE1/4 sec. 7, T.5 S., R.4 W., Allen Parish, Hydrologic Unit 08080203, near right bank on downstream side of bridge on State Highway 26, 3.0 mi (4.8 km) northwest of Oberlin, and 15 mi (24 km) upstream from Whisky Chitto Creek.

DRAINAGE AREA.--753 mi^2 (1,950 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, September 1938 to current year.

REVISED RECORDS.--WSP 1512: 1923, 1939(M).

GAGE.--Water-stage recorder. Datum of gage is 39.43 ft (12.018 m) National Geodetic Vertical Datum of 1929. Prior to February 1925 at datum about 2.5 ft (0.76 m) higher. September 1938 to Aug. 7, 1939, nonrecording gage at same site and present datum.

REMARKS.--Records good. Paper mill at Elizabeth pumps about 11 ft^3/s (0.3 m^3/s) of water from wells which is discharged into Mill Creek 20 mi (32 km) upstream from station. This discharge is continuous and fairly constant. Some small diversions from April to September for rice irrigation upstream from station. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--45 years (water years 1923-24, 1939-81) 1,135 ft^3/s (32.14 m^3/s), 20.47 in/yr (520 mm/yr), 822,300 acre-ft/yr (1.01 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,800 ft^3/s (2,060 m^3/s) May 19, 1953, gage height, 26.53 ft (8.086 m); minimum, 30 ft^3/s (0.85 m^3/s) Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.35 ft (0.411 m) Sept. 30, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of between 22 and 23 ft (6.7 and 7.0 m), present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,660 ft^3/s (217 m^3/s) June 12, gage height, 16.68 ft (5.084 m); no peak above base of 8,000 ft^3/s (230 m^3/s); minimum discharge, 32 ft^3/s (0.91 m^3/s) Sept. 30, gage height, 1.35 ft (0.411 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	73	120	84	117	170	191	100	125	492	110	55
2	61	80	125	82	135	166	201	126	115	630	103	54
3	57	98	126	80	200	160	222	127	114	556	102	58
4	52	106	123	79	169	302	235	100	142	452	136	66
5	49	98	117	78	194	1220	231	534	602	572	191	63
6	47	88	107	79	321	1570	218	1530	3620	1240	203	59
7	46	80	98	83	498	1350	204	1600	4100	2430	179	57
8	46	73	91	87	690	979	193	850	3150	2380	145	53
9	46	68	174	84	1110	1020	184	442	2660	1320	122	51
10	46	65	540	82	1680	1310	176	458	3380	867	108	49
11	46	62	690	81	2000	1700	164	548	6670	946	96	49
12	46	59	393	80	1790	1900	152	530	7460	1010	92	49
13	45	57	210	83	1360	1810	141	448	6690	1090	87	49
14	44	57	176	86	1060	1610	133	396	5550	1120	82	49
15	43	57	187	87	827	1290	126	395	4250	931	76	49
16	43	58	193	88	640	882	120	418	3290	607	72	48
17	43	62	177	86	492	565	114	585	3010	442	70	48
18	245	71	159	84	396	408	108	565	2240	393	69	46
19	281	70	144	84	335	330	104	378	1510	346	68	45
20	176	69	131	93	289	283	100	284	1030	302	66	44
21	119	72	121	131	260	256	96	280	670	267	64	44
22	87	89	114	121	240	242	93	307	472	232	63	44
23	74	137	107	110	225	229	96	324	375	207	70	45
24	90	169	102	105	212	212	123	307	335	164	66	46
25	108	166	98	114	201	203	152	267	326	170	62	44
26	100	154	95	131	191	201	122	236	314	156	59	40
27	86	147	92	142	182	215	108	222	291	156	57	38
28	83	138	90	142	175	217	99	187	308	153	56	36
29	99	126	89	137	---	214	99	168	362	142	55	35
30	84	120	87	129	---	224	98	148	420	128	56	34
31	75	---	85	120	---	203	---	135	---	121	60	---
TOTAL	2528	2769	5161	3052	16009	21441	4403	12995	63581	20042	2852	1447
MEAN	81.5	92.3	166	98.5	572	692	147	419	2119	647	92.0	48.2
MAX	281	169	690	142	2000	1900	235	1600	7460	2430	208	66
MIN	43	57	85	78	117	160	93	100	114	121	55	34
CFSM	.11	.12	.22	.13	.76	.92	.20	.56	2.81	.86	.12	.06
IN.	.12	.14	.25	.15	.79	1.06	.22	.64	3.14	.99	.14	.07
AC-FT	5010	5490	10240	6050	31750	42530	8730	25780	126100	39750	5660	2870

CAL YR 1980 TOTAL 484149 MEAN 1323 MAX 21300 MIN 35 CFSM 1.76 IN 23.92 AC-FT 960300
WTR YR 1981 TOTAL 156280 MEAN 428 MAX 7460 MIN 34 CFSM .57 IN 7.72 AC-FT 310000

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.75	1.86	2.31	1.97	2.29	2.75	2.91	2.18	2.36	4.31	2.02	1.65
2	1.75	1.93	2.36	1.94	2.74	2.72	2.97	2.36	2.27	4.93	1.96	1.64
3	1.70	2.11	2.37	1.93	2.97	2.67	3.12	2.37	2.26	4.60	1.97	1.69
4	1.63	2.19	2.35	1.92	2.74	3.49	3.22	2.13	2.52	4.11	2.29	1.78
5	1.59	2.11	2.29	1.91	2.93	7.40	3.19	4.41	4.79	4.66	2.76	1.74
6	1.57	2.01	2.20	1.92	3.75	8.51	3.10	8.39	12.55	7.19	2.89	1.70
7	1.55	1.93	2.11	1.96	4.68	7.86	3.00	8.59	13.52	10.53	2.69	1.67
8	1.55	1.86	2.04	2.00	5.52	6.63	2.92	6.09	12.02	10.42	2.43	1.63
9	1.55	1.80	2.69	1.97	7.06	6.78	2.86	4.41	11.05	7.33	2.25	1.60
10	1.55	1.77	4.88	1.95	8.83	7.72	2.80	4.49	12.33	5.75	2.13	1.58
11	1.54	1.73	5.52	1.94	9.64	8.89	2.70	4.94	16.04	6.04	2.05	1.57
12	1.54	1.70	4.13	1.93	9.11	9.41	2.60	4.85	16.58	6.27	2.00	1.57
13	1.52	1.68	3.04	1.96	7.94	9.17	2.51	4.44	16.08	6.51	1.97	1.57
14	1.50	1.67	2.80	1.99	6.90	8.63	2.43	4.18	15.20	6.64	1.93	1.58
15	1.50	1.67	2.88	2.00	6.06	7.68	2.37	4.17	13.77	5.98	1.89	1.57
16	1.50	1.69	2.92	2.01	5.32	6.27	2.31	4.29	12.27	4.72	1.85	1.56
17	1.50	1.73	2.81	1.99	4.65	5.00	2.26	5.08	11.76	3.97	1.82	1.56
18	3.13	1.83	2.66	1.97	4.18	4.24	2.21	5.00	10.12	3.74	1.81	1.54
19	3.50	1.82	2.53	1.97	3.64	3.81	2.17	4.07	8.12	3.49	1.80	1.53
20	2.79	1.81	2.42	2.06	3.57	3.53	2.13	3.54	6.44	3.26	1.78	1.52
21	2.31	1.84	2.33	2.42	3.39	3.36	2.09	3.51	5.09	3.05	1.76	1.52
22	2.00	2.02	2.26	2.33	3.26	3.27	2.06	3.68	4.21	2.84	1.74	1.51
23	1.87	2.46	2.20	2.23	3.15	3.17	2.09	3.78	3.71	2.67	1.82	1.53
24	2.03	2.74	2.15	2.16	3.06	3.06	2.35	3.68	3.49	2.53	1.78	1.54
25	2.21	2.72	2.11	2.25	2.98	2.99	2.60	3.43	3.44	2.43	1.73	1.51
26	2.13	2.62	2.08	2.42	2.91	2.98	2.34	3.23	3.36	2.33	1.70	1.46
27	1.99	2.56	2.05	2.52	2.84	3.08	2.21	3.12	3.23	2.34	1.68	1.43
28	1.96	2.46	2.03	2.52	2.79	3.09	2.12	2.88	3.34	2.34	1.66	1.40
29	2.12	2.37	2.02	2.47	---	3.07	2.12	2.73	3[illegible]4	2.26	1.65	1.38
30	1.97	2.32	2.00	2.40	---	3.14	2.11	2.57	3.95	2.14	1.66	1.37
31	1.87	---	1.98	2.32	---	2.99	---	2.45	---	2.09	1.70	---
MEAN	1.89	2.03	2.60	2.11	4.61	5.08	2.53	4.03	7.98	4.56	1.97	1.56
MAX	3.50	2.74	5.52	2.52	9.64	9.41	3.22	8.59	16.58	10.53	2.89	1.78
MIN	1.50	1.67	1.98	1.91	2.29	2.67	2.06	2.13	2.26	2.09	1.65	1.37

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1949, 1966-70, 1976 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to June 1977.
pH: October 1975 to June 1977.
WATER TEMPERATURES: October 1975 to June 1977.
DISSOLVED OXYGEN: October 1975 to June 1977.

INSTRUMENTATION.--Water-quality monitor October 1975 to June 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 380 micromhos Sept. 29, 1976; minimum, 16 micromhos Mar. 9, 1977.
pH: Maximum, 7.6 units May 12, 1977; minimum, 5.0 units Mar. 9, 10, 1977.
WATER TEMPERATURES: Maximum, 30.5°C July 31, Aug. 1, 1976; minimum, 4.0°C Jan. 19-21, 1977.
DISSOLVED OXYGEN: Maximum, 12.8 mg/L Nov. 29, 1975; minimum, 3.7 mg/L May 9, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 17...	1430	270	7.2	24.0	80	10	9.1	3.2	K45
JAN 13...	1730	202	6.8	7.5	70	5.0	11.9	4.0	280
APR 06...	1200	103	6.7	20.0	80	9.0	7.6	.7	K50
JUL 13...	1535	38	5.6	27.0	80	20	6.0	.6	110

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
OCT 17...	120	24	0	7.1	1.6	43	3.2	65	51
JAN 13...	K20	22	0	6.7	1.3	35	2.1	51	35
APR 06...	K60	15	0	4.0	1.2	14	1.7	23	18
JUL 13...	K14000	10	4	2.9	.7	4.4	1.1	6	4.0

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 17...	11	.1	28	202	184	.12	.99	.29
JAN 13...	8.3	.1	24	144	144	.11	.77	.04
APR 06...	5.8	.0	15	87	74	.04	1.0	.07
JUL 13...	3.5	.0	9.2	54	30	.13	1.3	.03

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 17...	1	0	<1	0	5	0	8	8	200	4500	1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT											
17...	30	80	150	.1	.00	10	39	18	.00	0	.0

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
17...	0	.0	0	.00	.0	.0	0	.00	.0	.00	.0

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
17...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
17...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
17...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
17...	.00	.0	.0	0	.00	.0	.00	.00	.00	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
17...	50	94

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

LOCATION.--Lat 30°41'55", long 92°53'35", in NE1/4NE1/4 sec.20, T.4 S., R.5 W., Allen Parish, Hydrologic Unit 08080204, near left bank on downstream side of bridge on State Highway 26, 1.0 mi (1.6 km) downstream from Tenmile Creek, 8.0 mi (12.9 km) upstream from Bundick Creek, and 10 mi (16 km) northwest of Oberlin.

DRAINAGE AREA.--510 mi^2 (1,321 km^2).

PERIOD OF RECORD.--January 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft (14.094 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good except those for periods of no gage-height record, which are fair. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 803 ft^3/s (22.74 m^3/s), 21.38 in/yr (543 mm/yr), 581,800 acre-ft/yr (717 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144,000 ft^3/s (4,080 m^3/s) May 18, 1953, gage height, 32.8 ft (10.00 m), from floodmark from rating curve extended above 35,000 ft^3/s (990 m^3/s) on basis of slope-area measurement of peak flow; minimum, 88 ft^3/s (2.49 m^3/s) Oct. 19, 20, 1956; minimum gage height, 2.45 ft (0.747 m) Sept. 30, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft (7.83 m), from floodmarks preserved by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft^3/s (85 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
June 7	1530	*10300	292	*19.14	5.834

Minimum discharge, 132 ft^3/s (3.738 m^3/s) Sept. 30, gage height, 2.45 ft (0.747 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	220	238	202	217	215	305	300	181	360	216	146
2	201	201	220	201	369	215	327	280	175	700	209	146
3	190	191	209	200	744	217	279	250	170	1000	201	152
4	179	185	205	199	957	324	251	230	180	1300	191	214
5	172	180	201	197	926	1210	237	600	1000	1600	189	358
6	166	178	198	200	611	1690	237	900	5180	1400	203	230
7	163	176	195	204	475	1990	231	930	9160	1100	215	208
8	162	174	193	203	471	2240	229	800	8120	740	212	183
9	161	174	497	220	438	1340	221	600	5600	700	202	168
10	160	175	922	238	385	643	211	500	3550	760	186	159
11	159	170	611	224	469	508	207	360	1460	840	179	154
12	158	170	568	214	538	424	204	380	1480	700	175	154
13	157	165	397	208	423	386	200	400	1440	380	171	152
14	156	160	316	205	348	357	196	400	1220	271	167	150
15	155	155	279	201	310	341	192	320	946	264	165	154
16	155	155	258	199	291	330	188	300	701	247	164	165
17	154	160	244	198	279	312	185	260	581	232	161	224
18	330	170	235	197	271	295	180	490	655	223	156	232
19	800	190	229	197	267	278	180	520	554	215	153	195
20	660	190	223	210	264	265	180	470	500	210	154	172
21	560	200	219	233	260	260	175	420	450	205	153	161
22	400	260	215	308	255	257	170	350	380	201	153	154
23	300	310	213	381	250	251	200	320	340	197	154	150
24	270	340	211	304	240	306	320	280	320	193	154	146
25	240	350	208	262	235	315	380	260	300	190	159	143
26	220	370	208	240	230	275	370	220	290	191	153	140
27	210	390	207	229	225	254	330	210	350	191	157	138
28	200	380	206	221	220	242	270	200	400	187	160	136
29	191	350	205	215	---	236	220	230	340	186	153	135
30	224	290	204	212	---	240	210	210	310	212	148	133
31	272	---	204	208	---	253	---	190	---	218	146	---
TOTAL	7719	6779	8738	6930	10968	16469	7085	12180	46333	15413	5359	5152
MEAN	249	226	282	224	392	531	236	393	1544	497	173	172
MAX	800	390	922	381	957	2240	380	930	9160	1600	216	358
MIN	154	155	193	197	217	215	170	190	170	186	146	133
CFSM	.49	.44	.55	.44	.77	1.04	.46	.77	3.03	.98	.34	.34
IN.	.56	.49	.64	.51	.80	1.20	.52	.89	3.38	1.12	.39	.38
AC-FT	15310	13450	17330	13750	21760	32670	14050	24160	91900	30570	10630	10220

CAL YR 1980 TOTAL 324123 MEAN 886 MAX 12400 MIN 154 CFSM 1.74 IN 23.64 AC-FT 642900
WTR YR 1981 TOTAL 149125 MEAN 409 MAX 9160 MIN 133 CFSM .80 IN 10.88 AC-FT 295800

NOTE.--No gage-height record Apr. 18 to June 5.

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.85	3.03	3.14	2.92	3.01	---	3.48	---	---	---	3.01	2.54
2	2.90	2.91	3.03	2.91	3.75	---	3.59	---	---	---	2.96	2.54
3	2.83	2.84	2.96	2.90	5.29	3.01	3.35	---	---	---	2.90	2.58
4	2.76	2.80	2.94	2.89	6.07	3.53	3.21	---	---	---	2.84	2.99
5	2.71	2.77	2.91	2.88	5.95	6.88	3.13	---	---	---	2.83	3.73
6	2.67	2.76	2.89	2.90	4.77	8.35	3.13	---	14.88	---	2.92	3.09
7	2.65	2.74	2.87	2.92	4.22	9.20	3.10	---	18.54	---	3.00	2.95
8	2.64	2.72	2.85	2.92	4.20	9.83	3.08	---	17.98	---	2.98	2.79
9	2.64	2.72	4.19	3.03	4.07	7.24	3.04	---	16.03	---	2.92	2.69
10	2.63	---	5.92	3.14	3.85	4.89	2.98	---	12.69	---	2.81	2.63
11	2.63	---	4.77	3.05	4.19	4.35	2.95	---	7.68	---	2.76	2.60
12	2.62	---	4.59	2.99	4.47	4.04	2.92	---	7.73	---	2.73	2.60
13	2.61	---	3.90	2.96	4.01	3.86	2.90	---	7.63	---	2.71	2.58
14	2.61	---	3.53	2.93	3.69	3.73	2.87	---	6.94	3.30	2.68	2.57
15	2.60	---	3.35	2.91	3.50	3.65	2.85	---	6.02	3.27	2.67	2.59
16	2.60	---	3.24	2.89	3.40	3.60	2.82	---	5.12	3.18	2.66	2.66
17	2.59	---	3.17	2.88	3.35	3.51	2.80	---	4.64	3.11	2.64	3.06
18	---	---	3.12	2.88	3.31	3.43	---	---	4.94	3.05	2.61	3.11
19	---	---	3.08	2.88	3.29	3.34	---	---	4.54	3.00	2.59	2.87
20	---	---	3.05	2.97	3.27	3.28	---	---	---	2.96	2.59	2.72
21	---	---	3.02	3.11	---	3.25	---	---	---	2.93	2.59	2.64
22	---	---	3.00	3.49	---	3.23	---	---	---	2.90	2.58	2.59
23	---	---	2.99	3.84	---	3.21	---	---	---	2.88	2.59	2.57
24	---	---	2.97	3.47	---	3.48	---	---	---	2.65	2.59	2.54
25	---	---	2.95	3.26	---	3.52	---	---	---	2.83	2.62	2.52
26	---	---	2.95	3.14	---	3.33	---	---	---	2.84	2.58	2.50
27	---	---	2.95	3.08	---	3.22	---	---	---	2.84	2.61	2.49
28	2.90	---	2.94	3.03	---	3.16	---	---	---	2.81	2.63	2.48
29	2.84	---	2.93	3.00	---	3.12	---	---	---	2.81	2.58	2.46
30	3.04	---	2.92	2.96	---	3.15	---	---	---	2.98	2.56	2.46
31	3.31	---	2.93	2.96	---	3.22	---	---	---	3.02	2.54	---
MEAN	---	---	3.29	3.04	---	---	---	---	---	---	2.72	2.70
MAX	---	---	5.92	3.84	6.07	---	---	---	18.54	---	3.01	3.73
MIN	2.59	---	2.85	2.88	3.01	---	---	---	---	2.81	2.54	2.46

08015500 CALCASIEU RIVER NEAR KINDER, LA

(National stream-quality accounting network station)

LOCATION.--Lat 30°30'10", long 92°54'55", in NW1/4SE1/4 sec.30, T.6 S., R.5 W., Allen Parish, Hydrologic Unit 08080203, near center of span on downstream side of bridge on U.S. Highway 190, 0.5 mi (0.8 km) downstream from Whisky Chitto Creek, and 4.0 mi (6.4 km) west of Kinder. Prior to May 19, 1981, on left bank on downstream side of former bridge on U.S. Highway 190.

DRAINAGE AREA.--1,700 mi^2 (4,403 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, October 1938 to September 1957, October 1961 to current year. October 1957 to September 1961 (annual maximums) from National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft (3.642 m) National Geodetic Vertical Datum of 1929. August 1922 to January 1925, water-stage recorder 400 ft (122 m) downstream at datum 1.77 ft (0.539 m) higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--Records fair October to April and good May to September. Paper mill at Elizabeth pumps about 11 ft^3/s (0.31 m^3/s) from wells which is later discharged into Mill Creek 36 mi (58 km) above station. This discharge is continuous and fairly constant. Water is diverted during period April to September at points just above station and 5.0 mi (8.0 km) above station for the irrigation of about 7,500 acres (30 km^2) of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft^3/s (2.8 m^3/s) and this diversion results in marked regulation of the low-water flow. Records of water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years (water years 1923-24, 1939-57, 1962-81), 2,543 ft^3/s (72.02 m^3/s), 1,842,000 acre-ft/yr (2.27 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 182,000 ft^3/s (5,150 m^3/s) May 19, 1953, gage height, 32.00 ft (9.754 m); minimum, 136 ft^3/s (3.85 m^3/s) Aug. 15, 1956; minimum gage height, 1.42 ft (0.433 m) Sept 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,600 ft^3/s (385 m^3/s) June 8, gage height, 16.58 ft (5.054 m); minimum, 191 ft^3/s (5.41 m^3/s) Jan. 18, (from graph based on once daily gage-height readings); minimum gage height, 1.42 ft (0.433 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	547	483	531	269	371	445	783	416	251	769	506	351
2	400	455	509	260	416	439	760	429	247	1060	481	354
3	352	426	487	253	509	674	747	391	285	2080	456	404
4	314	467	467	253	664	753	701	355	397	1830	458	580
5	298	496	455	237	1890	836	668	496	2490	1730	513	582
6	285	432	410	221	2290	1670	651	1370	7330	3770	563	602
7	269	343	375	237	1760	4040	579	2190	11100	6070	611	495
8	263	307	346	256	1420	3890	570	2210	12800	5990	571	454
9	266	301	381	301	1190	4560	522	1370	12800	4680	535	405
10	301	291	592	285	1430	4300	506	975	10600	3340	466	363
11	291	288	995	279	1810	2570	467	905	9830	2950	415	332
12	275	282	1600	263	2440	2020	439	892	9200	2360	387	315
13	253	269	1850	253	2800	1940	403	869	9400	2230	378	301
14	247	266	1890	237	2580	2010	381	813	8790	1950	391	291
15	237	253	1440	228	2040	2150	375	727	7640	1750	368	285
16	253	253	836	215	1700	1940	359	740	5900	1420	367	292
17	253	260	570	269	1320	1560	317	819	4830	1090	342	332
18	423	279	551	193	1090	1350	295	1010	4270	915	342	409
19	1170	311	525	206	853	1180	279	882	3130	825	332	405
20	1380	317	483	269	763	853	275	786	2240	719	325	348
21	1340	333	458	327	704	773	260	717	1480	633	305	315
22	668	429	426	311	664	783	241	671	1100	574	312	296
23	461	499	410	295	628	688	301	654	994	536	302	283
24	403	528	387	291	605	628	519	595	1140	487	323	279
25	378	554	362	471	573	615	528	557	893	458	345	271
26	362	592	343	490	557	608	551	448	1030	463	317	261
27	346	638	317	490	541	618	554	430	1170	527	309	254
28	343	625	304	432	493	583	442	408	1020	545	305	245
29	365	576	301	416	---	586	362	396	856	520	304	238
30	391	563	285	410	---	1120	339	341	808	490	308	233
31	471	---	275	375	---	1120	---	284	---	541	329	---
TOTAL	13605	12116	19161	9292	34101	47302	14174	24146	134021	53302	12266	10575
MEAN	439	404	618	300	1218	1526	472	779	4467	1719	396	353
MAX	1380	638	1890	490	2800	4560	783	2210	12800	6070	611	602
MIN	237	253	275	193	371	439	241	284	247	458	302	233
AC-FT	26990	24030	38010	18430	67640	93820	28110	47890	265800	105700	24330	20980

CAL YR 1980 TOTAL 1053776 MEAN 2879 MAX 39000 MIN 208 AC-FT 2090000
WTR YR 1981 TOTAL 384061 MEAN 1052 MAX 12800 MIN 193 AC-FT 761800

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.82	2.62	2.77	1.95	2.27	2.50	3.25	2.35	1.89	3.50	2.38	1.74
2	2.36	2.53	2.70	1.92	2.41	2.48	3.19	2.40	1.88	4.35	2.28	1.75
3	2.21	2.44	2.63	1.90	2.70	3.21	3.17	2.28	2.00	7.07	2.20	1.89
4	2.09	2.57	2.57	1.90	3.18	3.45	3.04	2.18	2.35	6.44	2.19	2.44
5	2.04	2.66	2.53	1.85	6.59	3.70	2.95	2.62	7.63	6.20	2.36	2.45
6	2.00	2.46	2.39	1.80	7.60	6.06	2.92	5.20	13.53	9.70	2.51	2.50
7	1.95	2.18	2.28	1.85	6.28	10.91	2.71	7.36	15.58	12.84	2.66	2.17
8	1.93	2.07	2.19	1.91	5.38	10.70	2.69	7.41	16.35	13.23	2.52	2.03
9	1.94	2.05	2.30	2.05	4.75	11.65	2.56	5.22	16.36	12.23	2.41	1.87
10	2.05	2.02	2.96	2.00	5.40	11.28	2.52	4.11	15.71	10.18	2.19	1.76
11	2.02	2.01	4.18	1.98	6.40	8.23	2.41	3.90	15.48	8.99	2.03	1.69
12	1.97	1.99	5.86	1.93	7.98	6.82	2.32	3.87	15.24	7.77	1.94	1.65
13	1.90	1.95	6.49	1.90	8.70	6.60	2.22	3.80	15.32	7.43	1.90	1.64
14	1.88	1.94	6.60	1.85	8.25	6.80	2.15	3.63	15.04	6.72	1.94	1.63
15	1.85	1.90	5.42	1.82	6.97	7.18	2.14	3.37	14.45	6.22	1.86	1.63
16	1.90	1.90	3.70	1.78	6.12	6.60	2.09	3.41	13.46	5.31	1.86	1.65
17	1.90	1.92	2.89	1.95	5.10	5.55	1.97	3.65	12.34	4.34	1.78	1.77
18	2.43	1.98	2.83	1.71	4.45	4.92	1.90	4.23	11.25	3.81	1.77	2.01
19	4.68	2.08	2.75	1.75	---	4.42	1.86	3.84	9.84	3.53	1.74	2.00
20	5.28	2.10	2.62	1.95	---	3.46	1.85	3.55	7.44	3.18	1.70	1.82
21	5.17	2.15	2.54	2.13	---	3.22	1.81	3.34	5.53	2.92	1.64	1.70
22	3.19	2.45	2.44	2.08	---	3.25	1.75	3.20	4.48	2.71	1.66	1.64
23	2.55	2.67	2.39	2.03	---	2.96	1.95	3.15	4.17	2.59	1.62	1.60
24	2.37	2.76	2.32	2.02	3.00	2.78	2.63	2.97	4.60	2.42	1.69	1.58
25	2.29	2.84	2.24	2.58	2.90	2.74	2.67	2.85	3.87	2.31	1.75	1.56
26	2.24	2.96	2.18	2.64	2.85	2.72	2.74	2.52	4.28	2.32	1.66	1.53
27	2.19	3.10	2.10	2.64	2.80	2.75	2.76	2.45	4.69	2.51	1.62	1.49
28	2.18	3.06	2.06	2.46	2.65	2.64	2.42	2.39	4.25	2.55	1.61	1.46
29	2.25	2.91	2.05	2.41	---	2.65	2.17	2.35	3.76	2.45	1.61	1.44
30	2.33	2.87	2.00	2.39	---	4.25	2.11	2.17	3.61	2.35	1.61	1.42
31	2.58	---	1.97	2.28	---	4.25	---	2.00	---	2.50	1.68	---
MEAN	2.47	2.37	3.00	2.05	---	5.18	2.43	3.48	8.88	5.51	1.95	1.78
MAX	5.28	3.10	6.60	2.64	8.70	11.65	3.25	7.41	16.36	13.23	2.66	2.50
MIN	1.85	1.90	1.97	1.71	2.27	2.48	1.75	2.00	1.88	2.31	1.61	1.42

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1966-69, 1973-75, 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1979 to current year.
WATER TEMPERATURES: June 1979 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 139 micromhos June 24, 1979; minimum daily, 13 micromhos Sept. 21, 1979.
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 26, 1981; minimum daily, 6.0°C Jan. 12, 1981.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 135 micromhos Oct. 18; minimum daily, 23 micromhos June 10, 11.
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 26; minimum daily, 6.0°C Jan. 12.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
OCT 17...	1530	253	94	7.0	25.0	30	2.5	9.2	.5	K50	K65	12
NOV 14...	0800	269	95	6.5	18.0	30	5.0	8.7	1.8	--	K60	13
DEC 04...	0900	477	69	5.5	12.5	50	6.1	9.0	2.1	K70	K50	11
JAN 13...	1600	247	120	6.6	9.0	30	4.0	11.5	2.8	K110	K10	17
FEB 02...	1300	397	80	6.5	11.5	40	7.6	13.5	4.7	K400	K80	14
MAR 02...	1650	439	82	5.9	18.5	50	6.4	9.1	--	K70	--	14
APR 06...	1025	648	75	6.6	20.0	50	25	8.6	.6	K40	K20	14
MAY 11...	1815	889	55	6.2	23.0	80	16	6.5	--	K40	--	13
JUN 08...	1315	12900	24	5.6	27.5	70	13	4.6	1.2	K150	7600	7
JUL 13...	1405	2190	42	5.5	27.5	70	20	5.9	--	200	K11000	12
AUG 12...	1750	375	65	6.3	29.0	30	5.9	7.5	.6	K50	280	13
SEP 03...	1100	346	82	6.9	26.0	40	4.0	7.6	2.5	100	220	14

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT 17...	0	3.2	1.0	13	1.8	26	9.8	7.4	.1	26	91	78
NOV 14...	0	3.5	1.1	13	2.0	21	12	6.9	.1	26	81	78
DEC 04...	--	2.8	1.0	7.7	1.9	12	6.5	7.1	.2	23	59	57
JAN 13...	0	3.9	1.8	15	1.2	27	17	7.4	.0	25	91	87
FEB 02...	0	3.9	1.1	10	1.5	19	11	6.3	.1	20	66	65
MAR 02...	0	3.6	1.2	11	1.5	18	11	6.5	.0	21	72	67
APR 06...	0	3.6	1.2	9.2	1.7	26	3.9	6.1	.0	19	74	61
MAY 11...	2	3.4	1.0	6.6	1.5	11	6.8	4.4	.0	12	--	43
JUN 08...	3	2.0	.6	2.4	1.5	4	4.3	2.3	.0	3.9	--	19
JUL 13...	4	3.5	.9	4.4	1.4	8	3.0	4.1	.0	11	30	34
AUG 12...	0	3.2	1.1	8.9	1.4	15	<5.0	6.1	.0	25	62	60
SEP 03...	0	3.0	1.6	12	1.9	25	6.6	6.5	.0	27	80	74

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
OCT 17...	.11	.05	.02	.01	.62	.56	.24	.25	--	4.3	.7
NOV 14...	.10	.12	.08	.06	.81	.59	.07	.05	5.5	--	--
DEC 04...	.13	.14	.01	.02	.60	.60	.07	.06	5.4	--	--
JAN 13...	.06	.01	.10	.13	.77	.68	.06	.03	--	7.3	1.0
FEB 02...	.00	.02	--	.09	.87	.78	.08	.05	--	--	--
MAR 02...	.10	.07	--	.18	1.1	.71	.08	.06	9.3	--	--
APR 06...	--	.18	.07	.10	1.1	.87	.09	.06	--	8.5	.6
MAY 11...	.20	.15	--	.15	1.0	1.2	.09	.07	16	--	--
JUN 08...	.03	.07	--	.22	1.3	1.4	.06	.03	14	--	--
JUL 13...	--	.23	.29	.25	--	1.6	.08	.06	--	12	.2
AUG 12...	.12	.13	.16	.14	.58	.57	.06	.04	4.5	--	--
SEP 03...	.11	.06	.10	.12	.66	.66	.07	.04	4.4	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 17...	1	1	100	30	0	<1	0	0	0	<3
JAN 13...	0	0	100	30	0	<1	0	0	0	<3
APR 06...	0	0	--	40	0	<1	20	10	2	<3
JUL 13...	1	1	100	40	1	<1	10	10	1	<3

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 17...	15	4	480	160	2	0	60	30	.1
JAN 13...	8	3	420	200	9	4	50	30	.2
APR 06...	2	4	1000	380	6	4	60	30	.2
JUL 13...	8	9	1300	430	6	4	160	90	.4

< Actual value is known to be less than the value shown.

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 17...	.1	2	0	0	0	0	0	20	5
JAN 13...	.3	4	0	0	0	1	0	--	20
APR 06...	.0	3	1	0	0	1	0	30	20
JUL 13...	.3	3	3	0	0	0	0	--	30

DATE	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
NOV 14...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)
NOV 14...	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 17...	--	42	29	88
NOV 14...	300	50	36	62
DEC 04...	--	44	57	59
JAN 13...	--	46	31	66
FEB 02...	--	61	65	65
MAR 02...	170	107	127	96
APR 06...	--	101	177	52
MAY 11...	880	68	163	86
JUN 08...	1300	37	1290	88
JUL 13...	120	202	1190	32
SEP 03...	56	25	23	86

ND Material specifically analyzed for but not detected.

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS)
OCT		
02...	0730	30
08...	0730	20
15...	0730	20
22...	0730	50
29...	0730	10
NOV		
05...	0730	30
12...	0730	15
19...	0730	20
26...	0730	20
DEC		
03...	0730	30
10...	0730	50
17...	0730	30
24...	0730	40
31...	0730	20
JAN		
07...	1600	20
14...	1600	30
21...	1600	40
28...	1600	40
FEB		
04...	1600	40
11...	1600	50
18...	0730	30
25...	1600	40
MAR		
04...	1600	60
11...	0730	70
18...	0830	50
25...	0730	70
APR		
01...	0700	60
08...	0730	50
15...	0730	30
22...	0715	30
29...	0730	60
MAY		
06...	0730	60
13...	0730	70
20...	1600	40
27...	0730	30
JUN		
03...	0730	50
10...	0730	50
17...	--	60
24...	0700	50
JUL		
01...	0715	50
08...	0745	60
15...	0715	40
22...	0730	40
29...	0710	40
AUG		
05...	0710	30
12...	0700	30
19...	1800	30
26...	0730	20
SEP		
02...	0730	30
09...	0730	30
16...	0730	40
23...	0730	40
30...	0725	30

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	74	85	93	79	78	78	64	66	51	68	89
2	100	71	75	95	---	---	74	83	62	51	68	88
3	119	104	85	101	---	86	75	76	64	51	68	89
4	112	95	90	97	78	86	76	82	61	28	74	89
5	109	97	88	97	72	84	74	35	60	27	73	87
6	100	84	87	98	69	41	---	34	63	27	74	74
7	106	83	84	100	59	38	71	34	62	27	73	67
8	110	82	83	99	61	41	70	51	29	28	75	65
9	107	79	84	102	49	38	67	51	24	40	74	64
10	103	83	95	110	50	38	67	51	23	38	65	66
11	98	82	90	103	35	35	69	51	23	38	65	80
12	113	92	58	101	35	34	68	51	29	39	65	78
13	97	95	54	108	39	31	72	48	25	39	65	79
14	104	85	59	107	42	32	70	47	24	39	65	77
15	100	90	59	107	42	42	72	47	30	39	65	78
16	98	89	60	104	46	42	71	47	30	39	82	77
17	99	88	73	105	46	60	71	90	30	41	84	77
18	135	87	71	103	56	59	67	90	36	41	81	77
19	130	91	72	103	57	59	69	91	38	41	82	77
20	55	75	75	102	56	59	68	51	36	41	88	84
21	76	69	---	118	68	63	66	51	48	64	85	83
22	81	90	81	111	67	63	65	53	48	63	82	84
23	79	83	84	121	77	63	65	53	48	63	81	83
24	86	119	87	123	77	69	68	53	56	73	80	83
25	86	115	84	126	75	69	81	53	56	73	81	84
26	81	93	92	86	84	65	81	53	57	73	79	82
27	80	93	90	89	80	66	75	59	56	69	80	83
28	75	80	95	89	87	66	84	58	57	69	80	76
29	73	80	94	83	---	72	98	59	51	68	80	75
30	79	86	94	81	---	72	64	58	51	69	88	76
31	76	---	95	81	---	---	---	59	---	68	88	---
MAX	135	119	95	126	87	86	98	91	66	73	88	89
MIN	55	69	54	81	35	31	64	34	23	27	65	64

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	13.0	11.0	11.0	13.0	19.0	22.0	24.0	25.0	19.0	26.0	22.0
2	23.0	12.0	10.0	11.0	12.0	19.0	19.0	22.0	25.0	20.0	28.0	25.0
3	22.0	13.0	11.0	11.0	10.0	16.0	20.0	24.0	19.0	29.0	30.0	29.0
4	20.0	15.0	11.0	10.0	11.0	17.0	21.0	25.0	19.0	15.0	26.0	26.0
5	21.0	14.0	12.0	11.0	8.0	16.0	20.0	22.0	24.0	20.0	25.0	26.0
6	19.0	14.0	14.0	11.0	8.0	16.0	20.0	20.0	26.0	18.0	28.0	26.0
7	20.0	15.0	14.0	11.0	9.0	15.0	19.0	20.0	27.0	25.0	29.0	27.0
8	19.0	18.0	17.0	11.0	9.0	14.0	20.0	18.0	25.0	26.0	28.0	25.0
9	19.0	18.0	16.0	10.0	14.0	15.0	19.0	19.0	26.0	24.0	30.0	20.0
10	19.0	18.0	16.0	10.0	14.0	15.0	20.0	20.0	27.0	25.0	30.0	23.0
11	19.0	18.0	15.0	12.0	9.0	15.0	20.0	19.0	25.0	26.0	29.0	24.0
12	20.0	18.0	14.0	6.0	9.0	14.0	22.0	20.0	25.0	27.0	25.0	25.0
13	---	17.0	12.0	8.0	12.0	15.0	23.0	17.0	24.0	25.0	---	26.0
14	18.0	18.0	12.0	8.0	11.0	16.0	23.0	19.0	18.0	25.0	30.0	22.0
15	18.0	16.0	13.0	7.0	14.0	15.0	25.0	20.0	25.0	26.0	21.0	25.0
16	20.0	16.0	13.0	9.0	10.0	16.0	27.0	21.0	26.0	28.0	30.0	25.0
17	22.0	14.0	12.0	7.0	11.0	19.0	27.0	26.0	20.0	21.0	31.0	26.0
18	22.0	14.0	13.0	9.0	10.0	20.0	23.0	25.0	21.0	24.0	29.0	19.0
19	22.0	13.0	13.0	10.0	12.0	15.0	24.0	19.0	28.0	23.0	30.0	20.0
20	20.0	13.0	10.0	8.0	11.0	15.0	25.0	25.0	26.0	27.0	30.0	19.0
21	17.0	12.0	---	9.0	16.0	17.0	18.0	26.0	27.0	20.0	31.0	21.0
22	18.0	11.0	12.0	8.0	17.0	16.0	20.0	26.0	25.0	27.0	32.0	19.0
23	17.0	11.5	13.0	13.0	15.0	15.0	23.0	27.0	26.0	28.5	32.0	20.0
24	17.0	12.0	11.0	15.0	14.0	15.0	25.0	27.0	19.0	28.0	30.0	21.0
25	17.0	12.0	10.0	11.0	12.0	16.0	20.0	24.0	21.0	30.5	29.0	24.0
26	15.0	11.0	8.0	14.0	18.0	13.0	23.0	24.0	24.0	30.0	34.0	24.0
27	18.0	11.0	9.0	13.0	15.0	17.0	21.0	19.0	24.0	28.0	25.0	25.0
28	18.0	11.0	10.0	13.0	20.0	18.0	19.0	21.0	26.0	19.0	26.0	20.0
29	15.0	11.0	11.0	15.0	---	19.0	22.0	25.0	24.0	26.0	27.0	22.0
30	14.0	12.0	10.0	12.0	---	20.0	26.0	26.0	25.0	29.0	27.0	21.0
31	13.0	---	10.0	12.0	---	---	---	19.0	---	30.0	25.0	---
MAX	23.0	18.0	17.0	15.0	20.0	20.0	27.0	27.0	28.0	30.5	34.0	29.0
MIN	13.0	11.0	8.0	6.0	8.0	13.0	18.0	17.0	18.0	15.0	21.0	19.0

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

PHYTOPLANKTON ANALYSES, NOVEMBER 1980 TO SEPTEMBER 1981

DATE	NOV 14,80		MAR 2,81		MAY 11,81		JUN 8,81		JUL 13,81		SEP 3,81	
TIME	0800		1650		1815		1315		1405		1100	
TOTAL CELLS/ML	300		170		880		1300		120		56	
DIVERSITY: DIVISION	1.1		0.9		1.0		1.5		0.5		0.0	
.CLASS	1.1		0.9		1.0		1.5		0.5		0.0	
..ORDER	1.3		1.1		1.5		1.9		0.5		1.0	
...FAMILY	1.3		1.1		1.6		2.2		1.4		1.0	
....GENUS	2.0		1.1		1.6		2.9		1.4		1.0	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...OOCYSTACEAE												
....ANKISTRODESMUS	--	-	--	-	--	-	42	3	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	--	-	--	-	52#	44	--	-
....SELENASTRUM	--	-	13	8	13	1	56	4	--	-	--	-
...SCENEDESMACEAE												
....CRUCIGENIA	100#	35	--	-	--	-	56	4	--	-	--	-
....SCENEDESMUS	100#	35	--	-	26	3	280#	22	52#	44	--	-
....TETRASTRUM	--	-	--	-	--	-	110	9	--	-	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	13	4	39#	23	26	3	56	4	--	-	--	-
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....CYCLOTELLA	26	9	--	-	26	3	70	6	--	-	--	-
....MELOSIRA	--	-	--	-	26	3	70	6	--	-	28#	50
..PENNALES												
...ACHNANTHACEAE												
....ACHNANTHES	--	-	--	-	--	-	28	2	--	-	--	-
...NAVICULACEAE												
....NAVICULA	--	-	--	-	13	1	14	1	13	11	--	-
...NITZSCHIACEAE												
....NITZSCHIA	--	-	120#	69	13	1	14	1	--	-	28#	50
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	--	-	--	-	--	-	450#	36	--	-	--	-
....ANACYSTIS	52#	17	--	-	64	7	--	-	--	-	--	-
..HORMOGONALES												
...OSCILLATORIACEAE												
....OSCILLATORIA	--	-	--	-	640#	74	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....TRACHELOMONAS	--	-	--	-	26	3	14	1	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

08016400 BECKWITH CREEK NEAR DE QUINCY, LA

LOCATION.--Lat 30°28'15", long 93°21'35", in SE1/4 NW1/4 sec.11, T.7 S., R.10 W., Beauregard Parish, Hydrologic Unit 08080205, near right bank on downstream side of bridge on State Highway 12, 300 ft (91 m) upstream from New Orleans, Texas and Mexico Railway bridge, 2.3 mi (3.7 km) downstream from Hams Creek, and 4.4 mi (7.1 km) northeast of De Quincy.

DRAINAGE AREA.--148 mi^2 (383 km^2).

PERIOD OF RECORD.--August 1945 to current year.

REVISED RECORDS.--WSP 1118: 1946, 1947(m). WSP 1512: 1945.

GAGE.--Water-stage recorder. Datum of gage is 25.29 ft (7.708 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 28, 1950, nonrecording gage and Oct. 29, 1950 to Jan. 3, 1961, water-stage recorder 1,000 ft (305 m) upstream at same datum.

REMARKS.--Records good. Records of water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--36 years, 196 ft^3/s (5.551 m^3/s), 17.98 in/yr (457 mm/yr), 142,000 acre-ft/yr (175 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft^3/s (391 m^3/s) May 21, 1955, gage height, 24.45 ft (7.452 m); minimum, 0.08 ft^3/s (0.002 m^3/s) Nov. 1, 1978; minimum gage height, 0.87 ft (0.265 m) Sept. 26, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,600 ft^3/s (45 m^3/s) and maximum (*):

		Discharge		Gage height	
Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)
June 6	0545	*1990	56.4	*17.02	5.188

Minimum discharge, 0.82 ft^3/s (0.023 m^3/s) Sept. 29, 30; minimum gage height, 1.18 ft (0.360 m) Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	4.5	14	7.6	161	13	10	6.2	3.2	13	13	4.8
2	8.7	3.4	12	7.5	434	12	11	5.7	3.3	62	12	12
3	5.2	2.8	9.8	7.4	267	12	14	11	247	115	8.1	40
4	4.4	2.4	8.6	7.2	220	102	14	11	207	92	8.5	119
5	3.1	2.3	7.6	7.2	212	684	12	9.7	1200	680	12	25
6	2.3	2.1	6.9	7.6	670	594	11	14	1810	1580	8.5	13
7	1.7	2.2	6.4	10	348	540	9.5	14	1430	1350	11	14
8	1.3	2.2	5.9	11	176	521	9.4	9.3	1190	791	7.8	11
9	1.1	2.1	458	11	119	429	9.3	7.4	1010	594	5.8	6.9
10	.90	2.2	713	13	270	112	8.4	6.5	743	658	4.8	5.8
11	.83	2.3	523	15	535	50	7.6	6.2	476	621	4.4	4.6
12	.82	2.3	312	13	360	36	7.0	5.5	665	610	4.0	3.9
13	.77	2.4	102	12	175	29	6.6	5.1	518	221	3.7	3.3
14	.75	2.4	47	11	81	25	6.2	5.1	466	97	6.8	3.1
15	.75	2.5	31	9.8	47	24	5.8	4.9	478	81	52	4.2
16	.75	4.1	23	9.3	36	23	5.5	5.3	273	74	19	4.9
17	.75	25	19	8.7	30	21	5.2	8.3	74	48	10	3.9
18	62	51	17	8.3	26	19	5.0	41	38	31	7.2	3.2
19	248	45	15	9.1	24	16	4.9	23	26	24	5.6	2.9
20	216	23	13	177	22	15	4.8	21	20	21	4.8	2.9
21	63	15	11	160	20	14	4.7	14	16	18	4.1	2.8
22	16	12	10	99	19	15	4.6	8.7	13	14	3.7	2.5
23	9.9	20	9.9	67	18	15	20	6.1	17	11	3.4	2.4
24	7.6	22	9.4	46	17	16	80	5.1	82	8.9	3.3	2.3
25	5.4	19	8.9	31	17	16	26	4.8	207	8.0	3.5	2.2
26	4.1	34	8.6	23	16	16	18	4.5	49	7.8	4.1	2.1
27	3.3	47	8.4	19	15	15	18	4.0	86	7.1	3.8	2.0
28	2.9	33	8.3	17	13	13	14	3.5	63	6.6	3.3	1.9
29	2.7	26	8.0	16	---	12	9.6	3.3	31	6.1	3.1	1.8
30	3.0	18	7.8	15	---	11	7.3	3.2	18	7.1	3.2	1.7
31	5.9	---	7.7	14	---	10	---	3.1	---	9.8	10	---
TOTAL	711.92	432.2	2442.2	869.7	4348	3430	369.4	280.5	11459.5	7867.4	254.5	310.1
MEAN	23.0	14.4	78.8	28.1	155	111	12.3	9.05	382	254	8.21	10.3
MAX	248	51	713	177	670	684	80	41	1810	1580	52	119
MIN	.75	2.1	5.9	7.2	13	10	4.6	3.1	3.2	6.1	3.1	1.7
CFSM	.16	.10	.53	.19	1.05	.75	.08	.06	2.58	1.72	.06	.07
IN.	.18	.11	.61	.22	1.09	.86	.09	.07	2.88	1.98	.06	.08
AC-FT	1410	857	4840	1730	8620	6800	733	556	22730	15600	505	615

CAL YR 1980 TOTAL 87033.67 MEAN 238 MAX 8550 MIN .68 CFSM 1.61 IN 21.88 AC-FT 172600
WTR YR 1981 TOTAL 32775.42 MEAN 89.8 MAX 1810 MIN .75 CFSM .61 IN 8.24 AC-FT 65010

08016400 BECKWITH CREEK NEAR DE QUINCY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.41	1.59	1.97	1.65	3.99	1.88	1.77	1.57	1.33	1.88	1.92	1.44
2	1.82	1.51	1.86	1.65	7.30	1.86	1.81	1.53	1.34	2.82	1.84	1.63
3	1.63	1.45	1.78	1.64	5.72	1.85	1.92	1.77	4.91	3.92	1.68	2.58
4	1.57	1.41	1.71	1.63	5.24	3.19	1.95	1.81	5.02	3.55	1.70	3.89
5	1.47	1.39	1.64	1.63	5.13	9.37	1.87	1.76	11.61	8.38	1.85	2.23
6	1.38	1.37	1.61	1.65	9.24	8.68	1.80	1.93	16.25	15.10	1.70	1.86
7	1.32	1.37	1.58	1.78	6.49	8.25	1.75	1.94	14.21	13.74	1.81	1.87
8	1.27	1.37	1.55	1.81	4.71	8.09	1.74	1.74	12.82	10.12	1.66	1.75
9	1.24	1.35	6.80	1.83	3.98	7.25	1.74	1.64	11.67	8.69	1.53	1.57
10	1.22	1.36	9.57	1.91	5.54	3.84	1.69	1.59	9.77	9.18	1.46	1.51
11	1.21	1.37	8.10	1.95	8.19	2.85	1.65	1.57	7.66	8.88	1.42	1.43
12	1.21	1.36	6.13	1.91	6.62	2.55	1.62	1.52	9.23	8.65	1.40	1.38
13	1.20	1.36	3.71	1.85	4.69	2.38	1.59	1.49	8.06	5.20	1.37	1.33
14	1.20	1.36	2.80	1.80	3.40	2.28	1.57	1.49	7.60	3.65	1.49	1.33
15	1.20	1.36	2.43	1.77	2.80	2.25	1.54	1.48	7.71	3.40	2.88	1.42
16	1.20	1.48	2.23	1.74	2.54	2.21	1.52	1.50	5.72	3.28	2.07	1.48
17	1.20	2.33	2.11	1.71	2.40	2.15	1.50	1.65	3.28	2.80	1.76	1.40
18	2.80	2.90	2.02	1.69	2.31	2.08	1.49	2.66	2.61	2.39	1.61	1.34
19	5.51	2.78	1.95	1.72	2.24	2.01	1.48	2.22	2.31	2.19	1.51	1.31
20	5.18	2.27	1.89	4.61	2.18	1.96	1.47	2.15	2.13	2.10	1.45	1.31
21	3.10	2.04	1.84	4.51	2.12	1.94	1.46	1.93	1.99	2.02	1.40	1.30
22	2.11	1.91	1.80	3.69	2.09	1.96	1.45	1.71	1.89	1.90	1.36	1.27
23	1.89	2.18	1.77	3.18	2.07	1.97	1.93	1.56	2.01	1.78	1.34	1.25
24	1.78	2.22	1.75	2.78	2.04	1.99	3.37	1.49	3.29	1.68	1.33	1.24
25	1.65	2.13	1.72	2.43	2.02	1.99	2.28	1.47	4.96	1.63	1.35	1.23
26	1.56	2.50	1.70	2.22	1.99	2.01	2.06	1.44	2.81	1.63	1.39	1.22
27	1.49	2.81	1.69	2.10	1.96	1.96	2.06	1.41	3.51	1.59	1.36	1.21
28	1.46	2.49	1.69	2.03	1.91	1.89	1.93	1.36	3.10	1.56	1.32	1.20
29	1.44	2.31	1.67	1.98	---	1.84	1.75	1.34	2.42	1.54	1.30	1.19
30	1.46	2.09	1.66	1.95	---	1.82	1.63	1.33	2.07	1.60	1.31	1.18
31	1.69	---	1.66	1.92	---	1.79	---	1.33	---	1.65	1.72	---
MEAN	1.83	1.85	2.66	2.15	3.96	3.17	1.78	1.66	5.78	4.47	1.59	1.55
MAX	5.51	2.90	9.57	4.61	9.24	9.37	3.37	2.66	16.25	15.10	2.88	3.89
MIN	1.20	1.35	1.55	1.63	1.91	1.79	1.45	1.33	1.33	1.54	1.30	1.18

08022040 SABINE RIVER NEAR BECKVILLE, TX

LOCATION.--Lat 32°19'38", long 94°21'12", Panola County, Hydrologic Unit 12010002, on downstream side of highway embankment near right end of downstream bridge on U.S. Highway 59, 0.9 mi (1.4 km) upstream from Eightmile Creek, 6.0 mi (9.7 km) upstream from Farm Road 1794, 8.4 mi (13.5 km) northeast of Beckville, 12.4 mi (20.0 km) downstream from State Highway 43, and at mile 327.0 (526.3 km).

DRAINAGE AREA.--3,589 mi2 (9,296 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year.--Prior to October 1978, published as "near Tatum."

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 190.00 ft (57.912 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, at site 12.4 mi (20.0 km) upstream at datum 14.18 ft (4.322 m) higher. Prior to Sept. 21, 1945, nonrecording gage.

REMARKS.--Water-discharge records good. Eight major reserviors with a combined capacity of 1,701,000 acre/ft (2.10 km3) regulated the flow. Several diversions above station and below Lake Tawakoni for oilfield operation, municipal, and industrial uses. Low flows are sustained by sewage effluents returned to the river above the station. During the current year, the city of Longview reported that 8,860 acre-ft (10.9 hm^3) of sewage effluent was returned to the river and that 4,110 acre/ft (5.1 hm^3) of water was diverted for municipal use above this station. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08018500, WDR TX-81.

AVERAGE DISCHARGE.--22 years (water years 1939-60) prior to regulation by Lake Tawakoni, 2,663 ft^3/s (75.42 km3/s), 1,929,000 acre-ft/yr (2.38 km^3/yr); 21 years (water years 1961-81) regulated, 2,276 ft^3/s (64.46 m3/s), 1,649,000 acre-ft/yr (2.03 km3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft^3/s (3,480 m^3/s) Apr. 4, 1945, gage height, 33.80 ft (10.302 m), site and datum then in use, from graph based on gage readings, from rating curve extended above 66,000 ft3/s (1,870 m3/s) on basis of partly estimated measurement of 88,900 ft^3/s (2,520 m^3/s); minimum observed, 2.4 ft^3/s (0.068 m^3/s) Aug. 11, 12, 1964.

Maximum stage since at least 1884, that of Apr. 4, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of about 2 ft (0.61 m) lower than flood of Apr. 4, 1945. These dates and gage heights are based on information for stations near Tatum, TX (station 08022000) and at Logansport, LA (station 08022500).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,000 ft^3/s (312 m^3/s) June 6, gage height, 25.32 ft (7.718 m); minimum, 77 ft^3/s (2.18 m^3/s) Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	151	259	236	324	458	705	446	3760	5510	465	472
2	237	163	249	227	358	667	631	519	3910	5580	402	2270
3	253	173	247	223	394	768	597	406	4050	5620	381	2380
4	275	164	236	232	437	735	572	314	5500	5620	343	3430
5	391	136	224	227	462	889	743	637	7150	5700	314	2450
6	458	136	222	242	513	1030	904	1040	10300	6060	287	1470
7	400	125	218	248	554	1180	744	802	10200	6070	261	903
8	330	117	225	268	544	1300	610	549	8470	6260	235	604
9	250	120	275	272	507	1370	516	1070	6930	5990	215	424
10	201	115	446	283	685	1280	452	4020	5980	5040	192	331
11	151	110	443	296	939	1120	412	4790	5530	3740	169	283
12	131	105	421	291	783	955	390	3690	5270	2970	171	246
13	105	101	599	307	591	828	366	2470	5130	2790	162	218
14	101	106	852	296	492	711	345	1990	5080	2750	143	194
15	91	104	959	294	459	603	324	1730	5010	2870	137	187
16	81	127	895	283	442	538	296	1610	4930	3030	136	202
17	87	221	726	277	425	475	283	2270	4930	3170	159	382
18	110	557	561	283	420	443	274	2870	4990	3330	302	307
19	318	507	430	296	407	412	260	2880	4950	3420	313	216
20	280	437	364	296	395	389	239	2900	4890	3440	265	172
21	190	397	307	321	389	380	265	2930	4830	3260	276	171
22	160	379	288	347	446	363	333	3010	4810	2910	273	179
23	151	358	277	358	470	350	320	3120	4830	2410	264	183
24	141	361	255	361	415	344	364	3170	4900	1970	235	180
25	136	341	247	391	385	335	420	2980	4960	1570	225	182
26	132	307	243	391	391	330	384	2610	5020	1250	225	182
27	149	304	242	364	410	320	346	2490	5100	989	193	176
28	135	302	240	347	431	316	304	2440	5180	838	180	161
29	144	280	234	335	---	330	272	2790	5300	783	186	149
30	123	283	230	324	---	489	293	3070	5410	640	228	143
31	135	---	235	313	---	710	---	3350	---	530	194	---
TOTAL	6037	7087	11649	9229	13468	20418	12964	68963	167300	106110	7531	18847
MEAN	195	236	376	298	481	659	432	2225	5577	3423	243	628
MAX	458	557	959	391	939	1370	904	4790	10300	6260	465	3430
MIN	81	101	218	223	324	316	239	314	3760	530	136	143
AC-FT	11970	14060	23110	18310	26710	40500	25710	136800	331800	210500	14940	37380

CAL YR 1980 TOTAL 716278 MEAN 1957 MAX 9510 MIN 39 AC-FT 1421000
WTR YR 1981 TOTAL 449603 MEAN 1232 MAX 10300 MIN 81 AC-FT 891800

08022040 SABINE RIVER NEAR BECKVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1952 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1952 to current year.
WATER TEMPERATURES: February 1952 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1981 water year are available from the Texas Report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	HARD-NESS (MG/L AS CACO3)
OCT 09...	1245	259	939	7.8	21.0	40	6.5	9.7	2.3	73
JAN 08...	1255	255	644	7.7	6.5	15	1.1	12.6	1.3	91
MAR 26...	1135	330	541	7.9	16.0	30	6.3	11.4	4.0	80
APR 30...	1115	273	630	7.4	25.0	30	4.7	8.0	3.4	90
JUN 02...	1520	4030	240	6.8	25.0	100	41	5.9	2.0	43
AUG 26...	1325	232	730	8.7	30.0	40	7.9	11.6	5.6	81

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
OCT 09...	39	20	5.6	150	5.0	34	46	240	.2	8.8
JAN 08...	37	28	5.2	93	3.8	54	61	130	.3	17
MAR 26...	60	22	6.2	70	3.6	20	57	120	.2	14
APR 30...	60	25	6.7	88	4.4	30	50	150	.2	14
JUN 02...	28	11	3.7	27	3.8	15	31	42	.1	11
AUG 26...	0	24	5.2	120	4.5	150	16	130	.3	5.0

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 09...	487	27	.49	.02	.51	.02	1.5	.12	7.1
JAN 08...	371	9	1.1	.02	1.1	.05	1.4	.51	11
MAR 26...	305	18	.21	.03	.24	.15	1.2	.13	9.9
APR 30...	356	19	.51	.03	.54	.10	1.2	.15	8.0
JUN 02...	140	56	.18	.01	.19	.08	1.2	.19	11
AUG 26...	395	27	.11	.03	.14	.11	2.1	.34	16

08022040 SABINE RIVER NEAR BECKVILLE, TX--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
OCT												
09...	1	100	<1	0	<10	90	27	180	.1	0	0	<3
JAN												
08...	0	60	4	0	13	30	120	110	.0	0	0	10
JUN												
02...	1	200	<1	0	<10	540	<10	140	.0	0	0	9
AUG												
26...	1	48	<1	0	<10	29	<10	19	.0	0	0	4

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN												
08...	.0	0	.0	.0	.00	.0	.0	.0	.00	.0	.00	.0
JUN												
02...	.0	6	.0	.0	.00	.0	.0	8.0	.00	.8	.00	.0

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
JAN											
08...	.00	.0	.02	.00	.0	.00	.0	.00	.0	.00	.00
JUN											
02...	.00	.0	.00	.00	.1	.00	.0	.00	.0	.00	.00

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
JAN											
08...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.00	.00
JUN											
02...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.00	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN											
08...	.0	.00	.00	.0	0	0	.00	.00	.00	.00	.00
JUN											
02...	.0	.00	.00	.0	0	0	.00	.04	.00	.01	.00

< Actual value is known to be less than the value shown.

08022500 SABINE RIVER AT LOGANSPORT, LA

LOCATION.--Lat 31°58'20", long 94°00'22", De Soto Parish, Louisiana - Shelby County, Texas State line at Logansport, Hydrologic Unit 12010004, just upstream from bridge on U.S. Highway 84, 3 mi (5 km) upstream from Bayou Castor, 111 mi (179 km) upstream from Toledo Bend Dam, and at mile 267.1 (429.8 km).

DRAINAGE AREA.--4,842 mi^2 (12,541 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1903 to February 1968. March 1968 to current year (gage heights only).

REVISED RECORDS.--WSP 1312: 1903-6 (monthly and annual means). WSP 1732: 1929(M), 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 147.72 ft (45.025 m) National Geodetic Vertical Datum of 1929. July 1, 1903 to Sept. 30, 1956, nonrecording gage. Oct. 1, 1956 to Jan. 16, 1964, water-stage recorder 4,600 ft (1,400 m) upstream. Jan. 16, 1964 to Dec. 10, 1968, water-stage recorder 4,700 ft (1,430 m) upstream. All gages to present datum except prior to Dec. 31, 1906, when datum was 2.00 ft (0.610 m) lower.

REMARKS.--Station discontinued as daily streamflow station Mar. 1, 1968, due to backwater from storage in Toledo Bend Reservoir (station 08025350). Ten major reservoirs, with a combined capacity of 1,824,000 acre-ft (2.25 km^3), largely regulated the flow. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08018500, WDR TX-81. Numerous diversions above station for oilfield operations, municipal, and industrial uses.

AVERAGE DISCHARGE.--64 years (water years 1904-67), 3,208 ft^3/s (90.85 m^3/s), 2,324,000 acre-ft/yr (2.87 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (1968-81), 32.50 ft (9.906 m) Apr. 20, 1969; minimum since initial filling of Toledo Bend Reservoir in June 1968, 17.97 ft (5.477 m) Nov. 29, 1977. Maximum discharge (1903-67), 92,000 ft^3/s (2,610 m^3/s) Apr. 8, 1945, gage height, 44.07 ft (13.433 m), from floodmark; minimum, 16 ft^3/s (0.453 m^3/s) Sept. 26-28, Oct. 3, 4, 1939.

Maximum stage since at least 1884, that of Apr. 8, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of 39.4 ft (12.01 m), present site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 26.03 ft (7.934 m) June 10; minimum, 18.38 ft (5.602 m) Feb. 11.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.59	19.36	19.25	19.09	18.81	19.33	19.83	19.64	21.00	24.25	23.04	20.93
2	19.50	19.35	19.14	19.10	19.02	19.38	20.00	19.77	21.13	24.37	22.99	21.19
3	19.61	19.33	19.19	19.09	19.09	19.60	19.83	19.85	21.35	24.45	22.91	21.40
4	19.49	19.33	19.21	19.04	18.98	19.72	19.75	19.90	21.67	24.46	22.98	21.45
5	19.49	19.30	19.21	19.13	19.02	19.64	19.81	19.95	23.38	24.60	22.85	21.55
6	19.45	19.36	19.19	18.98	19.16	19.76	20.00	20.13	24.51	24.66	22.70	21.44
7	19.45	19.37	19.31	19.09	19.11	19.76	20.13	20.25	25.06	24.78	22.41	21.33
8	19.47	19.42	19.04	19.13	19.20	19.70	20.13	20.37	25.65	24.73	22.33	21.23
9	19.45	19.32	18.94	19.10	19.53	19.78	19.96	20.18	25.94	24.70	22.25	21.23
10	19.39	19.27	19.24	19.10	18.60	19.80	20.00	20.70	26.00	24.75	22.15	21.20
11	19.33	19.24	19.25	19.11	19.24	19.78	19.93	21.22	25.82	24.67	22.15	21.20
12	19.34	19.23	19.26	19.12	19.30	19.89	20.00	21.60	25.48	24.65	21.96	21.18
13	19.39	19.24	19.22	19.09	19.30	19.80	20.00	21.50	---	24.54	21.90	21.19
14	19.47	19.03	19.24	19.03	19.28	19.87	19.70	20.85	---	24.43	21.83	21.25
15	19.45	19.06	19.27	18.99	19.28	19.82	19.79	20.68	---	24.40	21.70	21.15
16	19.50	19.11	19.22	18.93	19.28	19.80	20.06	20.83	---	24.42	21.45	21.05
17	19.43	19.18	19.31	18.95	19.29	20.22	19.90	21.01	---	24.40	21.47	20.95
18	19.46	19.27	19.45	19.00	19.32	19.45	20.00	20.98	---	24.35	21.33	21.10
19	19.35	19.29	19.00	19.09	19.32	19.76	20.00	20.74	---	24.30	21.26	21.10
20	19.36	19.30	19.04	19.09	19.34	20.00	19.78	20.92	---	24.26	21.16	21.05
21	19.38	19.28	19.15	19.06	19.41	19.85	19.80	21.08	---	24.19	21.10	21.03
22	19.34	19.22	19.25	19.12	19.42	19.59	19.75	21.17	---	24.10	21.12	21.00
23	19.35	19.26	19.31	19.13	19.38	19.80	19.70	21.15	---	23.98	21.25	20.99
24	19.18	19.25	18.75	19.14	19.34	19.75	19.75	20.93	---	23.86	21.12	20.99
25	19.35	19.01	19.25	19.19	19.35	19.75	19.71	20.85	24.28	23.85	21.05	21.00
26	19.44	19.04	19.12	19.10	19.40	19.93	19.72	20.75	24.25	23.64	20.89	20.94
27	19.44	19.25	19.12	19.04	19.41	20.00	19.72	20.74	24.25	23.55	20.83	20.92
28	19.16	19.25	19.14	19.09	19.37	19.90	19.65	20.67	24.28	23.50	20.85	20.91
29	19.30	19.20	18.92	19.12	---	19.82	19.62	20.70	24.35	23.35	20.87	20.91
30	19.33	19.35	19.13	18.92	---	19.97	19.63	20.75	24.31	23.37	20.85	20.88
31	19.35	---	19.09	19.12	---	19.83	---	20.86	---	23.23	21.11	---
MEAN	19.41	19.25	19.17	19.07	19.23	19.78	19.86	20.67	---	24.22	21.74	21.12
MAX	19.61	19.42	19.45	19.19	19.53	20.22	20.13	21.60	26.00	24.78	23.04	21.55
MIN	19.16	19.01	18.75	18.92	18.60	19.33	19.62	19.64	21.00	23.23	20.83	20.88

08022500 SABINE RIVER AT LOGANSPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973, 1976 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 16...	1015	726	6.8	22.0	5	2.0	7.1	5.1	K90
JAN 14...	1615	534	6.9	9.0	5	8.0	13.6	6.2	K8
APR 08...	1045	480	6.9	20.0	20	15	8.5	4.5	200
JUL 15...	1045	337	6.5	30.0	40	9.0	4.7	.8	K80

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 16...	120	79	24	22	5.8	110	6.1	55	52
JAN 14...	80	71	18	20	5.0	76	3.9	53	42
APR 08...	80	61	41	16	5.2	60	3.5	20	37
JUL 15...	1800	72	3	21	4.7	41	3.7	69	20

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT 16...	160	.5	1.9	381	391	.22	1.4	.26
JAN 14...	100	.2	16	308	295	.92	1.5	.16
APR 08...	96	.0	11	254	241	.27	1.7	.20
JUL 15...	50	.2	11	200	193	.41	1.2	.17

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 16...	0	1	<1	0	1	0	4	1	10	39	0

DATE	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT 16...	10	8	200	.1	.05	7	2	13	.00	0	.0

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

08022500 SABINE RIVER AT LOGANSPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 16...	6	.0	0	.00	.0	.0	10	.00	1.0	.00	.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 16...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 16...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 16...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 16...	.00	.0	.0	0	.00	.0	.04	.03	.00	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 16...	110	98
JAN 14...	78	99
APR 08...	547	97
JUL 15...	64	92

08022765 BAYOU CASTOR NEAR FUNSTON, LA

LOCATION.--Lat 32°00'57", long 93°57'35", SW1/4NE1/4 sec.24, T.12 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on unnumbered parish road, 0.3 mi (0.5 km) downstream from Bushneck Bayou, and 2.4 mi (3.9 km) south of Funston.

DRAINAGE AREA.--91.5 mi^2 (237.0 km^2).

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 185.50 ft (56.540 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of no gage-height record, which are fair. Total impoundment of flow by temporary dam downstream July 13-31. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--10 years, 67.0 ft^3/s (1.897 m^3/s), 9.94 in/yr (252 mm/yr), 48,540 acre-ft/yr (59.8 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,690 ft^3/s (133 m^3/s) Jan. 24, 1974, gage height, 15.23 ft (4.642 m); minimum, no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 900 ft^3/s (25 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
June 6	1200	*2,880	81.6	*14.55	4/435

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.13	.12	2.1	13	12	6.2	134	4.5	.32	.00
2	.00	.00	.09	.09	3.1	35	7.3	47	41	6.8	.14	1.1
3	.00	.00	.07	.10	2.8	24	4.9	32	251	7.0	.05	4.4
4	.00	.00	.06	.12	2.1	86	3.9	12	270	12	.03	5.9
5	.00	.00	.05	.14	1.7	148	3.5	371	532	7.8	.00	2.6
6	.00	.00	.04	.24	2.2	41	2.8	246	2340	18	.00	1.1
7	.00	.00	.04	.49	3.0	15	2.4	55	1480	22	.00	.59
8	.00	.00	.05	1.3	2.9	9.5	2.4	25	479	10	.00	.28
9	.00	.00	2.0	2.0	2.4	6.7	4.9	21	82	7.1	.00	.12
10	.00	.00	3.5	2.5	14	4.9	2.5	242	41	5.2	.00	.04
11	.00	.00	2.2	1.6	21	3.7	1.6	371	27	4.0	.00	.03
12	.00	.00	1.4	.70	15	3.1	1.2	66	20	3.0	.00	.02
13	.00	.00	.71	.50	9.0	2.6	.97	27	17	1.7	.00	.00
14	.00	.00	.40	.40	5.5	2.3	.75	17	17	.80	.00	.00
15	.00	.00	.23	.34	3.8	1.8	.63	13	14	.40	.00	.00
16	.00	.05	.15	.30	3.2	1.4	.62	13	12	.22	.00	.00
17	.00	.50	.07	.28	2.8	1.1	.49	25	10	.11	.00	.00
18	.00	1.0	.06	.27	2.3	1.0	.44	33	9.0	.06	.00	.00
19	.00	.90	.04	.30	2.0	.74	.39	21	8.1	.03	.00	.00
20	.00	.20	.02	.60	1.7	.66	.35	13	7.4	.01	.00	.00
21	.00	.12	.02	1.9	1.3	.70	.43	12	6.9	.00	.00	.00
22	.00	.10	.03	3.0	2.5	1.2	.99	7.8	6.3	.00	.00	.00
23	.00	.12	.02	2.1	2.3	1.7	2.5	6.1	7.6	.00	.00	.00
24	.00	.22	.03	1.1	2.4	1.7	4.3	5.8	27	.00	.00	.00
25	.00	.17	.03	.86	1.6	1.4	4.6	5.9	22	.00	.00	.00
26	.00	5.0	.04	.78	.68	1.3	3.4	6.9	25	.00	.00	.00
27	.00	4.0	.16	.75	.50	1.3	2.3	6.9	15	.00	.00	.00
28	.20	1.1	.14	.67	.45	1.2	1.7	8.4	9.0	.00	.00	.00
29	4.9	.50	.09	.52	---	3.3	1.4	6.3	6.7	.00	.00	.00
30	2.0	.22	.06	.44	---	13	1.4	5.1	5.3	.00	.00	.00
31	.72	---	.09	.45	---	15	---	89	---	5.0	.00	---
TOTAL	7.82	14.20	12.02	25.16	114.53	443.30	77.06	1816.4	5922.3	115.73	.54	16.18
MEAN	.25	.47	.39	.81	4.09	14.3	2.57	58.6	197	3.73	.017	.54
MAX	4.9	5.0	3.5	3.0	21	148	12	371	2340	22	.32	5.9
MIN	.00	.00	.02	.09	.45	.66	.35	5.1	5.3	.00	.00	.00
CFSM	.003	.005	.004	.009	.05	.16	.03	.64	2.15	.04	.000	.006
IN.	.00	.01	.00	.01	.05	.18	.03	.74	2.41	.05	.00	.01
AC-FT	16	28	24	50	227	879	153	3600	11750	230	1.1	32

CAL YR 1980 TOTAL 26815.61 MEAN 73.3 MAX 3230 MIN .00 CFSM .80 IN 10.90 AC-FT 53190
WTR YR 1981 TOTAL 8565.24 MEAN 23.5 MAX 2340 MIN .00 CFSM .26 IN 3.48 AC-FT 16990

NOTE.--No gage-height record, Oct. 1-28 and Nov. 3 to Dec. 11.

08022765 BAYOU CASTOR NEAR FUNSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.90	---	2.02	2.30	2.81	2.98	2.55	6.15	2.33	1.89	1.52
2	---	1.82	---	2.00	2.39	3.95	2.71	4.33	4.02	2.49	1.83	1.98
3	---	---	---	2.01	2.37	3.55	2.54	3.81	8.18	2.52	1.78	2.31
4	---	---	---	2.01	2.31	5.07	2.46	3.00	8.45	2.81	1.74	2.44
5	---	---	---	2.01	2.27	6.50	2.42	9.81	10.36	2.57	1.71	2.16
6	---	---	---	2.05	2.32	4.17	2.36	8.03	14.19	3.04	1.67	2.03
7	---	---	---	2.12	2.39	3.23	2.33	4.50	13.82	3.29	1.65	1.96
8	---	---	---	2.23	2.38	2.91	2.32	3.44	10.62	2.74	1.63	1.89
9	---	---	---	2.30	2.33	2.72	2.52	3.29	5.18	2.52	1.59	1.82
10	---	---	---	---	3.05	2.59	2.33	7.89	4.06	2.39	1.56	1.76
11	---	---	---	---	3.43	2.50	2.24	9.91	3.54	2.29	1.55	1.74
12	---	---	2.29	---	3.17	2.45	2.20	4.74	3.25	2.21	1.54	1.73
13	---	---	2.21	---	2.82	2.40	2.17	3.51	3.11	2.21	1.54	1.71
14	---	---	2.15	---	2.59	2.37	2.14	3.09	3.12	2.57	1.53	1.70
15	---	---	2.10	---	2.46	2.32	2.12	2.88	2.97	2.94	1.52	1.67
16	---	---	2.07	---	2.40	2.28	2.11	2.88	2.81	3.21	1.50	1.64
17	---	---	2.03	---	2.37	2.25	2.09	3.45	2.72	3.40	1.49	1.62
18	---	---	2.01	---	2.33	2.23	2.08	3.76	2.65	3.53	1.48	1.58
19	---	---	1.99	---	2.30	2.20	2.07	3.29	2.60	3.64	1.46	1.54
20	---	---	1.96	---	2.27	2.18	2.06	2.68	2.55	3.70	1.45	1.50
21	---	---	1.96	---	2.23	2.19	2.08	2.81	2.50	3.74	1.43	1.48
22	---	---	1.96	---	2.35	2.24	2.16	2.57	2.46	3.77	1.41	1.45
23	---	---	1.95	---	2.33	2.29	2.31	2.45	2.54	3.78	1.40	1.43
24	---	---	1.96	---	2.34	2.29	2.47	2.43	3.52	3.77	1.38	1.41
25	---	---	1.96	---	2.27	2.26	2.49	2.43	3.30	3.75	1.36	1.39
26	---	---	1.97	---	2.18	2.25	2.39	2.50	3.45	3.74	1.38	1.37
27	---	---	2.05	2.17	2.12	2.24	2.30	2.51	3.00	3.74	1.37	1.35
28	---	---	2.03	2.16	2.11	2.23	2.24	2.61	2.65	3.76	1.35	1.33
29	2.41	---	2.01	2.13	---	2.42	2.21	2.46	2.49	3.74	1.34	1.31
30	2.17	---	2.00	2.11	---	3.04	2.21	2.38	2.39	3.71	1.32	1.29
31	2.04	---	2.01	2.11	---	3.15	---	5.30	---	3.38	1.32	---
MEAN	---	---	---	---	2.44	2.82	2.30	3.92	4.76	3.14	1.52	1.67
MAX	2.41	---	---	---	3.43	6.50	2.98	9.91	14.19	3.78	1.89	2.44
MIN	---	---	1.95	2.00	2.11	2.18	2.06	2.38	2.39	2.21	1.32	1.29

08023000 BAYOU CASTOR NEAR LOGANSPORT, LA

LOCATION.--Lat 31°58'25", long 93°58'10", in SW1/4NW1/4 (revised) sec. 1, T.11 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 1.7 mi (2.7 km) east of Logansport, and 2.5 mi (4.0 km) upstream from Bayou Grand Cane.

DRAINAGE AREA.--96.5 mi^2 (249.9 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1955 to September 1971. October 1971 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 171.20 ft (52.182 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 2, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--16 years (water years 1956-71), 69.3 ft^3/s (1.962 m^3/s), 9.75 in/yr (248 mm/yr), 50,210 acre-ft/yr (61.9 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,030 ft^3/s (277 m^3/s) Apr. 6, 1956, gage height, 23.33 ft (7.111 m); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.53 ft (4.734 m) June 6; minimum, -0.37 ft (-0.113 m) Oct. 27, but may have been less during period of no gage-height record, Oct. 29 to Dec. 11.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.14	---	---	2.32	2.88	3.00	3.11	2.71	4.34	---	2.28	1.37
2	.11	---	---	2.32	2.97	3.44	3.01	3.09	3.02	---	1.82	1.71
3	.08	---	---	2.33	3.00	3.26	2.92	3.08	3.90	---	1.78	1.93
4	.05	---	---	2.35	3.02	3.40	3.05	2.61	5.89	---	1.77	2.12
5	.02	---	---	2.35	3.01	4.35	3.08	5.30	5.55	---	1.75	2.12
6	-.02	---	---	2.37	3.00	3.44	3.08	6.38	11.02	---	1.72	2.02
7	-.05	---	---	2.41	3.00	2.76	3.11	3.31	14.12	---	1.69	1.93
8	-.07	---	---	2.44	3.05	2.54	---	2.64	9.59	---	1.67	1.88
9	-.10	---	---	2.47	3.06	2.42	---	2.39	4.22	---	1.63	1.84
10	-.13	---	---	2.58	3.20	2.34	---	3.70	3.01	---	1.59	1.82
11	-.16	---	---	2.60	3.18	2.29	---	6.58	2.20	---	1.56	1.86
12	-.19	---	2.34	2.60	3.01	2.26	---	3.77	2.26	---	1.53	1.86
13	-.22	---	2.39	2.62	2.99	2.34	---	2.65	2.44	---	1.50	1.85
14	-.25	---	2.37	2.62	2.78	2.36	---	2.41	2.55	---	1.50	1.83
15	-.27	---	2.35	2.61	2.66	2.48	---	2.27	2.43	---	1.55	1.83
16	-.30	---	2.34	2.60	2.57	2.52	2.13	2.21	2.74	---	1.54	1.83
17	-.31	---	2.34	2.58	2.52	2.54	2.26	2.40	2.41	---	1.52	1.80
18	-.22	---	2.36	2.58	2.51	2.58	2.30	2.50	2.19	1.50	1.50	1.77
19	-.20	---	2.35	2.61	2.50	2.64	2.33	2.58	---	1.56	1.48	1.74
20	-.22	---	2.33	2.71	2.49	2.67	2.31	2.32	---	1.59	1.46	1.72
21	-.23	---	2.32	2.74	2.66	2.65	2.35	2.16	---	1.60	1.44	1.69
22	-.25	---	2.31	2.82	2.94	2.72	2.37	2.12	---	1.60	1.42	1.67
23	-.27	---	2.30	2.91	2.99	2.78	2.44	2.12	---	1.59	1.41	1.65
24	-.29	---	2.31	2.73	2.97	2.81	2.57	2.23	---	1.57	1.39	1.63
25	-.33	---	2.29	2.71	3.00	2.79	2.60	2.29	---	1.55	1.37	1.61
26	-.35	---	2.28	2.68	2.97	2.89	2.62	2.38	---	1.60	1.37	1.59
27	-.37	---	2.26	2.75	2.97	2.94	2.57	2.42	---	1.61	1.36	1.57
28	-.21	---	2.25	2.75	2.99	2.95	2.62	2.36	---	1.61	1.35	1.55
29	---	---	2.24	2.76	---	3.01	2.78	2.42	---	1.60	1.33	1.53
30	---	---	2.24	2.77	---	3.10	2.63	2.34	---	1.64	1.32	1.50
31	---	---	2.29	2.76	---	3.20	---	2.39	---	1.62	1.32	---
MEAN	---	---	---	2.60	2.89	2.82	---	2.91	---	---	1.55	1.76
MAX	.14	---	---	2.91	3.20	4.35	---	6.58	14.12	---	2.28	2.12
MIN	-.37	---	---	2.32	2.49	2.26	---	2.12	---	---	1.32	1.37

08023000 BAYOU CASTOR NEAR LOGANSPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-69, 1972-73, 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
DEC									
02...	1030	249	6.1	11.0	80	9.0	5.7	5.6	--
JAN									
14...	1515	240	6.3	10.5	50	4.0	8.5	5.0	K30
APR									
08...	1015	254	6.6	17.0	70	4.0	4.2	1.4	88
JUL									
15...	1120	185	6.3	28.0	60	6.0	2.9	.7	300

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
DEC									
02...	260	72	34	17	7.2	18	8.4	38	46
JAN									
14...	120	58	17	14	5.6	24	6.4	41	29
APR									
08...	110	59	0	13	6.4	24	4.7	63	7.8
JUL									
15...	2400	49	3	12	4.5	16	4.8	46	8.0

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
DEC								
02...	23	.1	14	181	157	.00	1.3	.50
JAN								
14...	30	.2	18	155	152	.11	1.4	.09
APR								
08...	35	.1	13	152	142	.04	1.4	.17
JUL								
15...	21	.1	14	130	108	.16	1.1	.22

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
DEC											
02...	0	1	<1	0	2	0	7	3	300	2500	4

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
DEC										
02...	10	1300	96	.1	.01	20	6	19	.00	3

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

08023000 BAYOU CASTOR NEAR LOGANSPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
DEC											
02...	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1	<.01

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC											
02...	<.1	<.01	<.1	.02	<.1	<.01	.3	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC										
02...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC										
02...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC										
02...	<.01	<.1	<.1	<1	<.01	<.1	.00	.00	.01	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC		
02...	36	92
JAN		
14...	60	96
APR		
08...	34	91
JUL		
15...	32	74

< Actual value is known to be less than the value shown.

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.--Lat 31°58'45", long 93°56'02", in SW1/4SE1/4 sec.6, T.11 N., R.15 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi (4.5 km) upstream from Bayou Castor, 2.9 mi (4.7 km) west of Stanley, and 3.2 mi (5.1 km) east of Logansport.

DRAINAGE AREA.--27.5 mi^2 (71.2 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 172.40 ft (52.548 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good, except those for period of no gage-height record, which are fair. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,200 ft^3/s (176 m^3/s) Apr. 12, 1980, gage height, 14.18 ft (4.322 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft^3/s (22.7 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
June 6	1600	*2,440	69.1	*11.82	3.603

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.10	.10	1.4	4.4	1.7	.00	14	2.8	.48	.00
2	.00	.00	.02	.10	1.4	6.4	1.4	2.2	11	2.8	.90	.00
3	.00	.00	.01	.08	1.4	16	1.2	2.5	43	2.2	.86	.00
4	.00	.00	.00	.07	1.8	11	1.3	.86	126	1.8	.74	4.6
5	.00	.00	.00	.05	2.4	21	1.2	211	392	1.5	.62	3.2
6	.00	.00	.00	.17	2.2	25	1.2	221	1810	1.4	.58	2.4
7	.00	.00	.00	.22	2.0	6.0	1.1	24	1120	1.4	.51	2.2
8	.00	.00	.00	.15	2.0	4.0	.98	8.0	504	2.4	.48	2.2
9	.00	.00	.03	.10	1.7	3.5	.85	6.2	85	3.9	.39	1.6
10	.00	.00	.12	.08	2.9	4.2	.80	9.6	15	3.2	.30	1.3
11	.00	.00	.08	.06	2.6	4.0	.74	20	9.0	2.8	.24	1.1
12	.00	.00	.08	.04	4.5	3.9	.64	11	7.2	3.2	.20	.90
13	.00	.00	.10	.04	2.6	4.0	.45	6.8	6.5	2.6	.16	.78
14	.00	.00	.10	.03	1.8	4.0	.28	5.4	6.1	2.2	.12	.70
15	.00	.00	.08	.02	1.7	3.9	.33	5.7	5.7	1.9	.08	.62
16	.00	.30	.08	.01	1.5	3.6	.22	6.3	5.0	1.7	.04	.62
17	.00	.22	.08	.09	1.4	3.5	.18	6.8	4.7	1.4	.01	.51
18	.00	.22	.14	.16	1.5	3.2	.14	10	4.4	1.3	.00	.45
19	.00	.15	.39	.18	1.6	3.1	.04	11	4.0	1.1	.00	.42
20	.00	.13	.44	.47	1.8	3.0	.01	9.2	3.8	.98	.00	.39
21	.00	.10	.38	.56	1.9	2.9	.00	8.6	3.6	.86	.00	.36
22	.00	.03	.31	.39	3.0	3.0	.00	8.1	3.6	.78	.00	.30
23	.00	.02	.33	.35	3.1	3.0	.00	7.8	3.4	.62	.00	.27
24	.00	.02	.29	.53	4.2	2.9	.00	7.8	3.4	.51	.00	.24
25	.00	.01	.22	1.3	3.4	2.9	.00	8.2	3.7	.42	.00	.24
26	.00	.40	.17	1.3	3.4	2.8	.00	8.7	8.6	.39	.00	.20
27	.01	.30	.16	1.1	3.4	3.0	.00	8.6	5.7	.36	.00	.16
28	.05	.20	.17	1.1	3.5	2.8	.00	8.7	4.5	.30	.00	.12
29	.04	.17	.16	1.0	---	3.0	.00	9.0	4.0	.30	.00	.08
30	.02	.15	.14	1.1	---	2.1	.00	9.3	3.6	.36	.00	.03
31	.00	---	.12	1.1	---	1.8	---	31	---	.33	.00	---
TOTAL	.12	2.42	4.30	12.05	66.1	167.9	14.76	693.36	4220.5	47.81	6.71	25.99
MEAN	.004	.081	.14	.39	2.36	5.42	.49	22.4	141	1.54	.22	.87
MAX	.05	.40	.44	1.3	4.5	25	1.7	221	1810	3.9	.90	4.6
MIN	.00	.00	.00	.01	1.4	1.8	.00	.00	3.4	.30	.00	.00
CFSM	.000	.003	.005	.01	.09	.20	.02	.82	5.13	.06	.008	.03
IN.	.00	.00	.01	.02	.09	.23	.02	.94	5.71	.06	.01	.04
AC-FT	.2	4.8	8.5	24	131	333	29	1380	8370	95	13	52

WTR YR 1981 TOTAL 5262.02 MEAN 14.4 MAX 1810 MIN .00 CFSM .52 IN 7.12 AC-FT 10440

NOTE.--No gage-height record Oct. 25 to Dec. 10.

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.85	---	---	3.33	3.87	4.26	5.03	4.30	4.88	3.76	3.18	2.81
2	1.85	---	---	3.33	3.85	4.45	4.95	5.05	4.71	3.75	3.29	2.86
3	1.83	---	---	3.33	3.84	4.90	4.93	5.18	5.48	3.61	3.28	2.91
4	1.82	---	---	3.33	3.94	4.69	4.93	4.82	6.51	3.50	3.25	4.04
5	1.80	---	---	3.34	4.07	5.00	4.92	7.58	8.46	3.44	3.22	3.58
6	1.79	---	---	3.40	4.01	5.09	4.91	7.40	11.29	3.42	3.21	3.65
7	1.78	---	---	3.44	3.96	4.41	4.88	5.10	10.65	3.41	3.19	3.62
8	1.77	---	---	3.40	3.94	4.20	4.86	4.55	9.23	3.65	3.18	3.60
9	1.76	---	---	3.39	3.88	4.10	4.83	4.43	5.90	3.98	3.15	3.47
10	1.75	---	---	3.39	4.14	4.22	4.81	4.66	4.70	3.84	3.12	3.38
11	1.74	---	3.22	3.39	4.08	4.28	4.80	5.04	4.42	3.76	3.10	3.34
12	1.73	---	3.22	3.39	4.41	4.31	4.77	4.75	4.30	3.84	3.08	3.29
13	1.72	---	3.23	3.39	4.06	4.35	4.72	4.47	4.25	3.72	3.06	3.26
14	1.71	---	3.23	3.39	3.86	4.41	4.66	4.35	4.22	3.62	3.04	3.24
15	1.70	---	3.22	3.39	3.82	4.43	4.68	4.38	4.18	3.54	3.02	3.22
16	1.70	---	3.22	3.39	3.78	4.44	4.64	4.44	4.12	3.48	3.00	3.22
17	1.71	---	3.22	3.45	3.75	4.49	4.62	4.47	4.08	3.42	2.97	3.19
18	1.73	---	3.25	3.49	3.76	4.52	4.60	4.69	4.05	3.38	2.95	3.17
19	1.74	---	3.35	3.51	3.77	4.54	4.55	4.73	4.00	3.35	2.93	3.16
20	1.73	---	3.37	3.63	3.80	4.55	4.52	4.63	3.95	3.31	2.91	3.15
21	1.72	---	3.36	3.66	3.84	4.57	4.48	4.59	3.93	3.28	2.89	3.14
22	1.71	---	3.34	3.62	4.08	4.61	4.43	4.56	3.91	3.26	2.87	3.12
23	1.71	---	3.35	3.61	4.10	4.62	4.45	4.54	3.88	3.22	2.85	3.11
24	1.71	---	3.35	3.66	4.29	4.64	4.48	4.54	3.89	3.19	2.83	3.10
25	---	---	3.33	3.88	4.15	4.65	4.43	4.57	3.94	3.16	2.81	3.10
26	---	---	3.31	3.86	4.13	4.66	4.36	4.60	4.39	3.15	2.80	3.08
27	---	---	3.32	3.83	4.13	4.72	4.29	4.59	4.18	3.14	2.78	3.06
28	---	---	3.33	3.81	4.14	4.74	4.25	4.60	4.06	3.12	2.76	3.04
29	---	---	3.33	3.79	---	4.83	4.23	4.62	4.00	3.12	2.74	3.02
30	---	---	3.33	3.79	---	4.92	4.23	4.64	3.91	3.14	2.71	2.99
31	---	---	3.33	3.79	---	5.03	---	5.20	---	3.13	2.71	---
MEAN	---	---	---	3.53	3.98	4.57	4.64	4.84	5.12	3.44	3.00	3.23
MAX	---	---	3.37	3.88	4.41	5.09	5.03	7.58	11.29	3.98	3.29	4.04
MIN	1.70	---	---	3.33	3.75	4.10	4.23	4.30	3.88	3.12	2.71	2.81

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-56, 1972-73, 1980 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: February to August 1981.
SUSPENDED-SEDIMENT DISCHARGE: February to August 1981.
Suspended-SEDIMENT SIEVE DIAMETER, PERCENT FINER THAN 0.062 MM: February to August 1981.

REMARKS.--Suspended-sediment data sieve diameter, percent finer than 0.062 MM are instantaneous.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 236 mg/L June 4, 1981; minimum daily mean, 16 mg/L April 14, 1981.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 259 tons (235 tonnes) June 6, 1981; minimum daily mean, 0 ton (0 tonne) Apr. 19, 20, Aug. 16, 17, 1981.
SUSPENDED-SEDIMENT SIEVE DIAMETER, PERCENT FINER THAN 0.062 MM: Maximum daily, 100 percent Mar. 22, Apr. 16, June 19-21, July 24, 1981; minimum daily, 48 percent July 4, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
OCT									
16...	1145	.00	233	6.5	20.0	50	9.0	3.5	4.3
JAN									
14...	1500	.03	314	6.1	7.5	30	6.0	4.6	4.8
APR									
08...	1000	.98	214	6.6	17.5	80	5.0	3.4	1.1
JUL									
15...	1150	1.9	165	6.3	27.5	50	3.0	3.1	1.0

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)
OCT									
16...	K70	740	64	0	15	6.4	21	5.0	84
JAN									
14...	K12	360	85	52	19	9.1	27	5.4	33
APR									
08...	84	K60	47	2	11	4.7	19	6.4	45
JUL									
15...	K170	1700	48	4	11	5.0	13	4.3	44

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT									
16...	.9	21	.2	18	153	138	.00	1.7	.16
JAN									
14...	81	19	.1	19	214	200	.06	1.1	.05
APR									
08...	22	22	.1	11	143	123	.06	1.9	.28
JUL									
15...	7.2	19	.1	11	113	97	.07	1.2	.17

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT											
16...	1	0	1	1	1	0	6	4	330	2400	3

K Results based on colony count outside the acceptable range (non-ideal count).

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT										
16...	10	1100	250	.1	.02	20	65	11	.00	0

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT											
16...	.0	0	.0	0	.00	.0	.0	0	.00	.6	.00

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
16...	2.0	.00	.4	.00	.0	.00	.0	.00	.0	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
16...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
16...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
16...	.00	.0	.0	0	.00	.0	.00	.00	.00	.00

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1									---	---	38	.45
2									32	.12	38	.66
3									48	.18	68	2.9
4									30	.15	60	1.8
5									43	.28	54	3.1
6									28	.17	60	4.1
7									36	.19	53	.86
8									32	.17	40	.43
9									34	.16	38	.36
10									48	.38	32	.36
11									50	.35	48	.52
12									46	.56	66	.69
13									106	.74	52	.56
14									77	.37	58	.63
15									50	.23	49	.52
16									68	.28	58	.56
17									60	.23	42	.40
18									26	.11	39	.34
19									26	.11	44	.37
20									24	.12	36	.29
21									122	.63	40	.31
22									132	1.1	32	.26
23									118	.99	52	.42
24									49	.56	44	.34
25									46	.42	35	.27
26									50	.46	27	.20
27									44	.40	22	.18
28									64	.60	34	.26
29									---	---	34	.28
30									---	---	38	.22
31									---	---	38	.18
TOTAL									---	10.06	---	22.82

DAY	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	36	.17	---	---	69	2.6	40	.30	58	.08		
2	43	.16	18	.11	58	1.7	54	.41	35	.09		
3	31	.10	19	.13	80	9.3	---	---	34	.08		
4	58	.20	46	.11	236	80	52	.25	31	.06		
5	40	.13	221	126	166	176	52	.21	48	.08		
6	26	.08	138	82	53	259	32	.12	31	.05		
7	26	.08	56	3.6	40	121	30	.11	56	.08		
8	46	.12	32	.69	49	67	24	.16	58	.08		
9	40	.09	34	.57	60	14	30	.32	78	.08		
10	48	.10	32	.83	49	2.0	39	.34	50	.04		
11	42	.08	40	2.2	42	1.0	46	.35	52	.03		
12	44	.08	50	1.5	28	.54	34	.29	43	.02		
13	24	.03	32	.59	80	1.4	24	.17	48	.02		
14	16	.01	29	.42	28	.46	24	.14	51	.02		
15	18	.02	34	.52	44	.68	56	.29	62	.01		
16	26	.02	48	.82	39	.53	70	.32	56	.00		
17	34	.02	36	.66	38	.48	54	.20	40	.00		
18	36	.01	28	.76	44	.52	57	.20	---	---		
19	34	.00	37	1.1	40	.43	74	.22	---	---		
20	34	.00	27	.67	28	.29	82	.22	---	---		
21	---	---	30	.70	35	.34	48	.11	---	---		
22	---	---	34	.74	46	.45	46	.10	---	---		
23	---	---	89	1.2	---	---	42	.07	---	---		
24	---	---	36	.76	41	.38	42	.06	---	---		
25	---	---	32	.71	31	.31	50	.06	---	---		
26	---	---	33	.78	41	.95	68	.07	---	---		
27	---	---	30	.70	---	---	55	.05	---	---		
28	---	---	37	.87	54	.66	47	.04	---	---		
29	---	---	44	1.1	68	.73	52	.04	---	---		
30	---	---	31	.78	52	.51	57	.06	---	---		
31	---	---	82	6.9	---	---	56	.05	---	---		
TOTAL	---	---	---	238.52	---	743.26	---	5.33	---	---		

TOTAL LOAD FOR YEAR: 1022.31 TONS

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

SEDIMENT, SUSPENDED, SIEVE DIAMETER, PERCENT FINER THAN 0.062 MM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981.

ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	72	81	---	92	88	82	
2					91	96	68	96	90	92	90	
3					93	90	72	96	88	---	81	
4					96	95	74	68	80	48	88	
5					82	98	78	81	90	52	73	
6					84	99	88	56	86	74	86	
7					94	98	80	50	87	88	91	
8					89	95	84	65	86	92	82	
9					87	94	88	73	92	85	76	
10					90	89	58	87	89	84	74	
11					97	73	50	86	96	97	68	
12					90	61	51	86	93	86	79	
13					93	60	88	94	76	96	84	
14					90	62	89	92	96	96	93	
15					90	78	54	92	90	87	85	
16					62	63	100	66	98	90	92	
17					92	92	98	92	98	95	88	
18					99	93	98	92	96	79	---	
19					99	90	97	84	100	87	---	
20					83	98	94	92	100	94	---	
21					80	94	---	94	100	82	---	
22					80	100	---	88	89	90	---	
23					80	72	---	70	---	94	---	
24					67	78	---	86	95	100	---	
25					62	98	---	92	97	90	---	
26					66	94	---	96	99	81	---	
27					58	92	---	93	---	86	---	
28					66	92	---	65	81	96	---	
29					---	86	---	59	82	88	---	
30					---	90	---	75	88	81	---	
31					---	76	---	92	---	89	---	
MAX					99	100	---	96	100	100	---	
MIN					58	60	---	50	76	48	---	

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

LOCATION.--Lat 31°52'30", long 93°39'30", in lot 38, T.10 N., R.13 W., De Soto Parish, Hydrologic Unit 12010004, near right bank on downstream side of bridge on State Highway 512, 2.2 mi (3.5 km) east of Benson, and 3.9 mi (6.3 km) upstream from Bear Creek.

DRAINAGE AREA.--80.2 mi^2 (207.7 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximums, water years, 1954-68. Occasional low-flow measurements, water years 1954-63, October 1977 to current year.

REVISED RECORDS.--WDR LA-80-1: 1958(M).

GAGE.--Water-stage recorder. Datum of gage is 208.67 ft (63.603 m) National Geodetic Vertical Datum of 1929. Oct. 29, 1953 to Sept. 30 , 1968, crest-stage gage at same site and datum.

REMARKS.--Water-discharge records good except those for period of no gage-height record, which are fair. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,300 ft^3/s (603 m^3/s) Sept. 20, 1958, gage height, 20.36 ft (6.206 m) from rating curve extended above 8,400 ft^3/s (238 m^3/s) on basis of velocity-area study; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 550 ft^3/s (16 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
June 6	1200	*639	18.1	*15.13	4.612

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.68	.11	12	3.4	17	1.2	.00	148
2	.00	.00	.00	.00	1.2	30	6.9	45	14	.88	.00	462
3	.00	.00	.00	.00	2.9	50	5.1	31	7.7	.59	.00	165
4	.00	.00	.00	.00	2.9	47	3.8	8.7	28	.40	.00	21
5	.00	.00	.00	.00	2.1	90	3.0	124	200	.52	.00	8.0
6	.00	.00	.00	.00	1.5	45	2.4	146	617	.60	.00	4.7
7	.00	.00	.00	.00	1.3	20	1.9	41	539	.53	.00	3.4
8	.00	.00	.00	.00	1.1	11	1.7	18	355	.58	.00	2.6
9	.00	.00	.00	.00	1.0	7.0	1.4	11	63	.62	.00	2.1
10	.00	.00	.00	.00	8.0	5.3	1.2	11	17	.40	.00	1.7
11	.00	.00	.00	.00	12	4.6	1.1	26	10	.28	.00	1.4
12	.00	.00	.00	.00	6.0	4.0	.90	18	7.6	1.6	.00	1.2
13	.00	.00	.00	.00	2.5	3.5	.78	9.6	12	5.2	.00	1.1
14	.00	.00	.00	.00	1.4	3.2	.61	6.6	39	2.8	.00	1.2
15	.00	.00	.00	.00	.90	3.0	.45	4.9	12	1.4	.00	1.1
16	.00	.00	.00	.00	.60	2.7	.34	4.6	5.9	.67	.00	.94
17	.00	.00	.00	.00	.50	2.5	.28	4.5	4.1	.27	.00	.72
18	.00	.00	.00	.00	.40	2.3	.19	4.8	3.2	.04	.00	.45
19	.00	.00	.00	.00	.33	2.0	.13	5.8	2.7	.00	.00	.31
20	.00	.00	.00	.00	.29	1.8	.09	4.9	2.3	.00	.00	.20
21	.00	.00	.00	.00	.24	1.7	.02	3.7	1.9	.00	.00	.08
22	.00	.00	.00	.00	.56	1.8	.00	2.8	1.6	.00	.00	.03
23	.00	.00	.00	1.2	.22	1.9	.04	2.3	1.4	.00	.00	.02
24	.00	.00	.00	1.3	.17	1.9	.19	1.8	1.4	.00	.00	.00
25	.00	.00	.00	.92	.14	1.8	.19	1.7	1.8	.00	.00	.00
26	.00	.00	.00	.66	.12	1.9	.11	2.0	2.6	.00	.00	.00
27	.00	.00	.00	.51	.11	1.8	.06	1.6	5.3	.00	.00	.00
28	.00	.00	.00	.36	.10	1.8	.04	1.4	4.3	.00	.00	.00
29	.00	.00	.00	.26	---	2.5	.02	1.4	2.8	.00	.00	.00
30	.00	.00	.00	.22	---	15	.16	1.6	1.8	.00	.00	.00
31	.00	---	.00	.17	---	21	---	2.6	---	.00	.00	---
TOTAL	.00	.00	.00	5.60	49.26	388.01	45.10	551.7	1981.4	18.58	.00	827.25
MEAN	.000	.000	.000	.18	1.76	12.5	1.50	17.8	66.0	.60	.000	27.6
MAX	.00	.00	.00	1.3	12	90	12	146	617	5.2	.00	462
MIN	.00	.00	.00	.00	.10	.11	.00	1.4	1.4	.00	.00	.00
CFSM	.000	.000	.000	.002	.02	.16	.02	.22	.82	.007	.000	.34
IN.	.00	.00	.00	.00	.02	.18	.02	.26	.92	.01	.00	.38
AC-FT	.00	.00	.00	11	98	770	89	1090	3930	37	.00	1640

CAL YR 1980 TOTAL 32275.50 MEAN 88.2 MAX 3440 MIN .00 CFSM 1.10 IN 14.97 AC-FT 64020
WTR YR 1981 TOTAL 3866.90 MEAN 10.6 MAX 617 MIN .00 CFSM .13 IN 1.79 AC-FT 7670

NOTE.--Gage height was below 5.8 ft (lowest recordable stage) Oct. 1 to Jan. 22 and Aug. 25-31. No gage-height record Feb. 6 to Mar. 9.

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					6.39	---	7.64	6.70	7.43	6.41	6.02	9.62
2					6.52	---	7.21	9.10	7.41	6.33	5.96	14.27
3					6.79	---	6.97	8.59	7.00	6.27	5.90	11.06
4					6.80	---	6.81	7.47	8.06	6.22	5.85	8.21
5					6.67	---	6.69	10.12	11.14	6.25	5.80	7.34
6					---	---	6.59	10.92	15.03	6.27	5.76	6.95
7					---	---	6.53	8.69	14.69	6.25	5.70	6.76
8					---	---	6.49	7.67	13.39	6.26	5.66	6.64
9					---	---	6.45	7.25	9.38	6.27	5.64	6.55
10					---	6.97	6.42	7.23	8.03	6.21	5.62	6.49
11					---	6.89	6.40	8.13	7.58	6.18	5.60	6.44
12					---	6.81	6.37	7.69	7.32	6.44	5.56	6.40
13					---	6.74	6.34	7.15	7.66	7.01	5.52	6.37
14					---	6.69	6.31	6.88	8.89	6.67	5.48	6.40
15					---	6.65	6.27	6.71	7.66	6.43	5.43	6.39
16					---	6.61	6.24	6.67	7.10	6.29	5.39	6.35
17					---	6.57	6.22	6.66	6.87	6.18	5.36	6.30
18					---	6.54	6.19	6.70	6.74	6.08		6.23
19					---	6.50	6.17	6.81	6.65	5.98		6.19
20					---	6.47	6.15	6.71	6.59	5.92		6.15
21					---	6.45	6.12	6.56	6.52	5.89		6.11
22					---	6.47	6.10	6.45	6.47	5.86		6.09
23				6.28	---	6.48	6.13	6.37	6.43	5.82		6.07
24				6.54	---	6.48	6.19	6.32	6.44	5.78		6.06
25				6.45	---	6.45	6.19	6.30	6.50	5.75		6.05
26				6.39	---	6.47	6.16	6.34	6.64	5.75		6.03
27				6.36	---	6.47	6.14	6.28	7.03	5.74		6.00
28				6.32	---	6.47	6.13	6.25	6.90	5.78		5.97
29				6.28	---	6.57	6.12	6.24	6.68	5.76		5.94
30				6.27	---	7.67	6.18	6.28	6.52	5.70		5.92
31				6.25	---	8.18	---	6.42	---	5.69		---
MEAN				---	---	---	6.40	7.21	8.03	6.11	---	6.91
MAX				6.54	---	---	7.64	10.92	15.03	7.01	6.02	14.27
MIN				---	---	---	6.10	6.24	6.43	5.69	---	5.92

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955, 1972-73, 1978 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: February to July 1981.
SUSPENDED-SEDIMENT DISCHARGE: February to July 1981.
SUSPENDED-SEDIMENT SIEVE DIAMETER, PERCENT FINER THAN 0.062 MM: February to July 1981.

REMARKS.--Suspended-sediment data sieve diameter, percent finer than 0.062 MM are instantaneous.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 94 mg/L May 5, 1981; minimum daily mean, 8 mg/L June 23, 1981.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 44 tons (40 tonnes) June 8, 1981; minimum daily mean, 0 ton (0 tonne) Feb. 26, 27, Apr. 20-23, 27-29, 1981.
SUSPENDED-SEDIMENT SIEVE DIAMETER, PERCENT FINER THAN 0.062 MM: Maximum daily, 100 percent Feb. 18-20, 25-27, Mar. 3, 20, 25-27, Apr. 16, 23, 24, 1981; minimum daily, 52 percent May 1, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
FEB 03...	1420	162	5.9	5.0	40	4.0	9.6	2.5	K40
APR 08...	1300	254	6.5	18.0	100	5.0	5.8	.6	K40
JUL 15...	1310	134	6.2	28.0	100	15	3.9	.9	200
SEP 10...	1300	138	5.9	23.0	100	10	5.7	1.5	K170

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
FEB 03...	120	33	26	8.0	3.1	15	3.6	7	23
APR 08...	K70	43	0	11	3.8	29	4.9	50	22
JUL 15...	1800	34	5	8.5	3.1	9.5	6.1	29	6.0
SEP 10...	590	35	19	11	1.8	11	5.1	16	24

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
FEB 03...	25	.1	27	127	109	.01	1.0	.09
APR 08...	29	.1	12	163	142	.08	1.3	.14
JUL 15...	17	.1	13	103	80	1.0	1.7	.28
SEP 10...	15	.2	12	127	90	.19	1.4	.13

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB 03...	0	4	<1	0	2	0	5	5	500	3200	0
SEP 10...	--	--	--	--	--	--	--	--	610	--	--

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
FEB 03...	10	300	320	.1	.06	30	2	13	.00	0
SEP 10...	--	580	--	--	.00	--	--	--	--	--

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
FEB 03...	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	<.1	<.001

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
FEB 03...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
FEB 03...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
FEB 03...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
FEB 03...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1									---	---	---	---
2									30	.10	25	2.0
3									24	.19	27	3.6
4									23	.18	44	5.6
5									28	.16	54	13
6									26	.11	57	6.9
7									---	---	---	---
8									---	---	---	---
9									25	.07	---	---
10									32	.69	---	---
11									71	2.3	---	---
12									79	1.3	---	---
13									76	.51	---	---
14									---	---	---	---
15									---	---	---	---
16									45	.07	---	---
17									40	.05	26	.18
18									36	.04	28	.17
19									36	.03	30	.16
20									22	.02	15	.07
21									---	---	---	---
22									---	---	---	---
23									28	.02	14	.07
24									30	.01	20	.10
25									27	.01	20	.10
26									27	.00	21	.10
27									22	.00	16	.08
28									---	---	---	---
29									---	---	---	---
30									---	---	47	1.9
31									---	---	57	3.2

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	38	1.2	52	.48	79	3.6	---	---				
2	29	.54	---	---	---	---	---	---				
3	38	.52	---	---	82	1.7	---	---				
4	---	---	42	.99	59	4.5	---	---				
5	---	---	94	31	62	33	---	---				
6	30	.19	58	23	---	---	---	---				
7	24	.12	42	4.6	---	---	---	---				
8	46	.21	34	1.7	46	44	23	.04				
9	42	.16	---	---	34	5.8	24	.04				
10	33	.11	---	---	42	1.9	22	.02				
11	---	---	70	4.9	37	1.0	---	---				
12	---	---	83	4.0	44	.90	---	---				
13	32	.07	78	2.0	---	---	32	.45				
14	---	---	69	1.2	---	---	25	.19				
15	26	.03	73	.97	43	1.4	28	.11				
16	22	.02	---	---	36	.57	41	.07				
17	38	.03	---	---	31	.34	---	---				
18	---	---	57	.74	34	.29	---	---				
19	---	---	55	.86	25	.18	---	---				
20	26	.00	68	.90	---	---	---	---				
21	37	.00	76	.76	---	---	---	---				
22	20	.00	56	.42	18	.08	---	---				
23	18	.00	---	---	8	.03	---	---				
24	21	.01	---	---	---	---	---	---				
25	---	---	68	.31	21	.10	---	---				
26	---	---	58	.31	40	.28	---	---				
27	23	.00	59	.25	---	---	---	---				
28	27	.00	49	.19	---	---	---	---				
29	34	.00	44	.17	---	---	---	---				
30	27	.01	---	---	---	---	---	---				
31	---	---	---	---	---	---	---	---				

TOTAL LOAD FOR YEAR: 226.65 TONS.

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

SEDIMENT, SUSPENDED, SIEVE DIAMETER, PERCENT FINER THAN 0.062 MM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	---	64	52	78	---		
2					80	96	84	---	---	---		
3					92	100	83	---	56	---		
4					94	95	---	78	98	---		
5					93	98	---	93	94	---		
6					92	99	82	74	---	---		
7					---	---	90	84	---	---		
8					---	---	98	96	96	80		
9					88	99	76	---	97	77		
10					82	90	79	---	93	86		
11					94	99	---	89	94	---		
12					94	85	---	92	98	---		
13					91	64	81	89	---	84		
14					---	---	---	90	---	88		
15					---	---	96	86	96	91		
16					88	68	100	---	90	84		
17					85	75	69	---	87	---		
18					100	70	---	88	84	---		
19					100	72	---	81	88	---		
20					100	100	94	82	---	---		
21					---	---	89	85	---	---		
22					---	---	88	82	67	---		
23					97	98	100	---	62	---		
24					98	86	100	---	---	---		
25					100	100	---	91	81	---		
26					100	100	---	92	75	---		
27					100	100	96	98	---	---		
28					---	---	74	98	---	---		
29					---	---	76	96	---	---		
30					---	58	88	---	---	---		
31					---	66	---	---	---	---		

08025350 TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010004, in powerhouse at right end of Toledo Bend Dam on Sabine River, 15 mi (24 km) northeast of Burkeville, and at mile 156.5 (251.8 km).

DRAINAGE AREA.--7,178 mi2 (18,591 km2).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority). Prior to July 20, 1967, nonrecording gage at same site and datum. July 20, 1967, to June 30, 1973, recording gage at right end of spillway 1.6 mi (2.6 km) north of present site and at same datum.

REMARKS.--The reservoir is formed by a rolled earthfill dam. Closure of embankment completed and deliberate impoundment was begun Oct. 3, 1966. The reservoir is operated for hydro-electric-power generation and water conservation. Releases during high inflow periods are controlled by eleven 40- by 28-ft (12- by 9-m) tainter gates. An 8.33- by 12.00-ft (2.54- by 4.00-m) gated conduit through the dam is used for low-flow releases. Two additional 20-inch diameter (508-mm) conduits, which bypass the larger conduit, may also be used for low-flow releases. Water for turbines is admitted through four 16.75- by 29.00 ft (5.11- by 9.00-m) penstocks and controlled by vertically operated caterpillar-type gates. The capacity table is based on Geological Survey topographic maps. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08019000, WDR TX-81. For statement regarding regulation by upstream reservoirs, see station 08018500, WDR TX-81. Figures given herein represent total contents. Data regarding the dam and reservoir are given in the following table:

	Elevation (feet)	Capacity (acre-feet)
Top of dam..	185.0	---
Design flood..	175.3	5,102,000
Top of gates..	173.0	4,660,000
Top of power drawdown storage...	172.0	4,476,000
Top of power-head storage...	162.2	2,922,000
Crest of spillway (controlled)..	145.0	1,162,000
Lowest gates outlet (invert)..	100.0	4,090

COOPERATION.--Capacity table furnished by the Sabine River Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 4,739,000 acre-ft (5.84 km3) Mar. 21, 1969, elevation, 173.42 ft (52.858 m); minimum since initial filling of reservoir in June 1968, 3,433,000 acre-ft (4.23 km3) Nov. 27, 1977, elevation, 165.74 ft (50.518 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,498,000 acre-ft (5.55 km3) July 14, elevation, 172.12 ft (52.462 m); minimum, 3,595,000 acre-ft (4.43 km3) Jan. 29, elevation, 166.79 ft (50.838 m).

Capacity table (elevation, in feet, and total contents, in acre-feet)

166.0	3,473,000	172.0	4,476,000
168.0	3,788,000	173.0	4,660,000
170.0	4,123,000		

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3700000	3655000	3628000	3628000	3644000	3673000	3740000	3722000	3824000	4394000	4294000	3923000
2	3705000	3654000	3642000	3613000	3619000	3663000	3727000	3706000	3849000	4410000	4264000	3937000
3	3689000	3654000	3628000	3614000	3605000	3654000	3729000	3702000	3872000	4404000	4243000	3958000
4	3692000	3654000	3628000	3614000	3616000	3694000	3754000	3742000	3892000	4417000	4227000	3972000
5	3684000	3649000	3628000	3603000	3631000	3713000	3751000	3759000	4019000	4453000	4210000	3985000
6	3681000	3641000	3628000	3631000	3617000	3710000	3734000	3769000	4109000	4444000	4191000	3999000
7	3676000	3639000	3625000	3620000	3625000	3721000	3727000	3761000	4158000	4453000	4196000	4002000
8	3673000	3636000	3673000	3617000	3622000	3726000	3721000	3742000	4180000	4462000	4175000	4009000
9	3668000	3647000	3674000	3625000	3622000	3724000	3729000	3786000	4205000	4467000	4147000	3987000
10	3668000	3647000	3646000	3622000	3708000	3724000	3727000	3788000	4250000	4473000	4123000	3984000
11	3671000	3646000	3644000	3616000	3644000	3724000	3735000	3785000	4274000	4480000	4106000	3968000
12	3663000	3636000	3641000	3613000	3644000	3724000	3730000	3769000	4290000	4485000	4094000	3972000
13	3655000	3638000	3644000	3613000	3644000	3729000	3729000	3783000	4317000	4490000	4072000	3970000
14	3644000	3650000	3644000	3620000	3647000	3724000	3753000	3834000	4329000	4487000	4055000	3968000
15	3636000	3650000	3644000	3620000	3647000	3732000	3740000	3838000	4351000	4480000	4038000	3984000
16	3633000	3668000	3657000	3619000	3652000	3732000	3719000	3834000	4399000	4480000	4033000	4001000
17	3660000	3673000	3628000	3619000	3652000	3695000	3724000	3833000	4383000	4476000	4018000	3982000
18	3671000	3657000	3628000	3609000	3649000	3754000	3719000	3856000	4387000	4462000	4018000	3960000
19	3673000	3652000	3660000	3614000	3649000	3724000	3710000	3887000	4376000	4446000	4004000	3955000
20	3665000	3652000	3649000	3625000	3644000	3706000	3724000	3866000	4374000	4451000	3994000	3933000
21	3660000	3649000	3641000	3625000	3654000	3724000	3713000	3864000	4378000	4437000	3980000	3937000
22	3665000	3660000	3626000	3619000	3649000	3740000	3711000	3841000	4403000	4426000	3975000	3937000
23	3658000	3660000	3625000	3617000	3652000	3724000	3726000	3828000	4426000	4417000	3958000	3937000
24	3670000	3657000	3662000	3613000	3649000	3724000	3714000	3841000	4428000	4388000	3951000	3937000
25	3650000	3660000	3622000	3613000	3647000	3721000	3708000	3841000	4440000	4379000	3938000	3918000
26	3622000	3658000	3626000	3613000	3647000	3706000	3703000	3829000	4438000	4369000	3933000	3920000
27	3678000	3641000	3625000	3613000	3646000	3705000	3694000	3826000	4410000	4363000	3920000	3925000
28	3690000	3631000	3626000	3600000	3647000	3695000	3692000	3814000	4397000	4361000	3907000	3933000
29	3674000	3631000	3646000	3600000	---	3729000	3695000	3805000	4387000	4338000	3902000	3925000
30	3666000	3620000	3623000	3613000	---	3726000	3705000	3816000	4401000	4310000	3887000	3907000
31	3658000	---	3625000	3597000	---	3738000	---	3824000	---	4297000	3880000	---
(†)	167.19	166.95	166.98	166.80	167.12	167.69	167.48	168.22	171.58	171.00	168.56	168.72
(‡)	-53,000	-38,000	+5,000	-28,000	+50,000	+91,000	-33,000	+119,000	+577,000	-104,000	-417,000	+27,000
MAX	3705000	3673000	3674000	3631000	3708000	3754000	3754000	3887000	4440000	4490000	4294000	4009000
MIN	3622000	3620000	3622000	3597000	3605000	3654000	3692000	3702000	3824000	4297000	3880000	3907000

CAL YR 1980 MAX 4638000 MIN 3620000 ‡ -368000
WTR YR 1981 MAX 4490000 MIN 3597000 ‡ +196000

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010005, in powerhouse at right end of Toledo Bend Dam, 10 mi (16 km) upstream from gaging station Sabine River near Burkeville (station 08026000), and at mile 156.5 (251.8 km).

DRAINAGE AREA.--7,178 mi^2 (18,591 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorders. Datum of gages is National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority).

REMARKS.--Water-discharge records fair. Low flows are based on operation logs and discharge measurements and include tainter gate releases, turbine leakage, and low-flow sluiceway discharges. Discharges during turbine release periods are based on scroll case differential pressure-discharge relationships. Discharges above 16,000 ft^3/s (453 m^3/s) usually include tainter-gate releases, which are computed using tainter-gate rating.

AVERAGE DISCHARGE.--10 years, 5,577 ft^3/s (157.9 m^3/s), 4,041,000 acre-ft/yr (4.98 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 67,000 ft^3/s (1,900 m^3/s) Jan. 28, 1974; minimum daily, 30 ft^3/s (0.85 m^3/s) estimated Oct. 1-4, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 8,160 ft^3/s (231 m^3/s) May 27; minimum daily, 144 ft^3/s (4.08 m^3/s) July 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177	779	853	194	194	194	882	827	1050	3620	7320	169
2	159	169	194	946	983	809	194	194	1620	2730	7490	812
3	202	827	880	194	194	194	848	767	194	178	7210	739
4	169	169	194	194	194	843	194	194	194	169	7010	739
5	169	761	884	955	194	194	194	850	858	169	7160	1360
6	833	169	194	194	194	194	847	194	194	2650	7350	169
7	777	999	194	927	194	194	194	784	848	5450	7100	793
8	758	169	930	194	194	194	857	194	259	5680	7710	822
9	817	169	194	918	194	194	194	967	2710	5410	7520	745
10	762	847	1010	194	194	194	835	566	2840	5320	7340	754
11	169	169	194	194	194	194	194	775	194	169	7550	743
12	169	853	194	995	194	194	194	168	2590	169	7150	1340
13	800	198	194	194	194	194	740	768	194	2580	7600	169
14	169	887	194	878	194	194	194	169	194	6280	7810	754
15	1220	194	194	194	194	194	807	819	2720	3330	7770	753
16	169	194	949	999	194	888	748	169	2840	144	7610	773
17	769	187	1070	194	194	194	831	763	2800	5200	7080	775
18	169	855	665	194	835	1220	860	169	2770	7370	4640	854
19	169	871	611	773	194	194	858	793	3360	3660	4640	1420
20	169	194	194	194	831	803	835	311	194	3390	4640	169
21	169	1110	194	796	194	194	2000	831	194	6980	4370	804
22	169	194	1020	194	194	194	2100	1820	2760	7420	169	790
23	169	194	194	1200	895	867	2150	7350	3080	7060	169	765
24	921	1460	1070	194	194	194	2170	7100	2750	7160	4790	762
25	169	4110	194	194	801	870	2640	7180	4760	7300	4500	763
26	169	4250	1020	3190	194	194	2830	7550	5030	6040	4540	1360
27	841	194	194	2850	883	773	2810	8160	5140	7300	4690	169
28	169	795	194	2770	194	194	194	5970	5130	7140	4520	745
29	450	194	979	194	---	194	194	2470	4740	7340	169	747
30	335	194	194	892	---	860	194	194	4710	3740	169	745
31	723	---	1060	194	---	194	---	194	---	7210	169	---
TOTAL	13079	22355	16299	22387	9496	12201	28782	59260	66917	138358	167955	22502
MEAN	422	745	526	722	339	394	959	1912	2231	4463	5418	750
MAX	1220	4250	1070	3190	983	1220	2830	8160	5140	7420	7810	1420
MIN	159	169	194	194	194	194	194	168	194	144	169	169
AC-FT	25940	44340	32330	44400	18840	24200	57090	117500	132700	274400	333100	44630

CAL YR 1980 TOTAL 1939550 MEAN 5299 MAX 35400 MIN 150 AC-FT 3847000
WTR YR 1981 TOTAL 579591 MEAN 1588 MAX 8160 MIN 144 AC-FT 1150000

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

REMARKS.--Data furnished by Texas District.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
NOV 21...	0935	164	7.3	14.0	--	1.2	34	11	8.0	3.3	17	3.3
JAN 22...	1110	165	6.4	9.5	11.9	.8	34	18	8.3	3.2	18	2.7
MAR 18...	1340	168	7.4	14.0	10.8	.9	34	15	8.2	3.2	18	4.7
MAY 28...	1015	164	7.5	23.0	9.1	.4	33	14	8.1	3.1	17	2.8
JUL 30...	0820	164	6.7	25.5	4.4	.2	31	8	7.5	3.0	17	2.8
SEP 23...	0825	166	6.5	20.0	3.6	.7	33	11	7.9	3.1	17	3.0

DATE	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
NOV 21...	22	21	24	.1	6.9	95	.00	.00	.00	.01	.63	.09
JAN 22...	16	21	26	.1	7.8	97	.12	.00	.12	.09	.73	.05
MAR 18...	19	22	23	.1	6.9	97	.09	.01	.10	.07	.49	.02
MAY 28...	19	21	23	.1	6.0	93	.03	.00	.03	.06	.55	.02
JUL 30...	23	14	22	.4	7.6	84	.10	.02	.12	.16	1.10	.05
SEP 23...	22	15	27	.1	7.0	83	.09	.02	.11	.11	.85	.03

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
JAN 22...	2

08025500 BAYOU TORO NEAR TORO, LA

LOCATION.--Lat 31°18'25", long 93°30'56", in SW1/4 sec.20, T.4 N., R.11 W., Sabine Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on State Highway 473, 0.2 mi (0.3 km) upstream from Hamby Creek, 2.5 mi (4.0 km) northeast of Toro, and 7.8 mi (12.5 km) west of Hornbeck.

DRAINAGE AREA.-- 148 mi^2 (383 km^2).

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 138.00 ft (42.062 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--26 years, 140 ft^3/s (3.965 m^3/s), 12.85 in/yr (326 mm/yr), 101,400 acre-ft/yr (125 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,200 ft^3/s (884 m^3/s) Apr. 9, 1968, gage height, 25.73 ft (7.842 m) from rating curve extended above 13,000 ft^3/s (368 m^3/s); minimum, 0.1 ft^3/s (0.003 m^3/s) Sept. 29, 30, Oct. 1-3, 1956; minimum gage height, 2.40 ft (0.732 m) Sept. 30, Oct. 1, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s (34 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
June 7	0545	*3,570	101	*16.27	4.959

Minimum discharge, 2.3 ft^3/s (0.065 m^3/s) Nov. 11, 12; minimum gage height, 2.71 ft (0.826 m) Oct. 13, 14, 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	11	12	6.5	13	21	39	15	15	12	6.3	14
2	5.7	7.9	11	6.0	28	25	31	114	17	19	5.0	18
3	6.5	5.8	9.1	6.2	25	45	26	63	67	47	4.1	24
4	5.5	4.8	8.2	6.0	25	149	23	63	109	40	4.0	28
5	4.6	4.2	8.0	6.0	20	308	22	736	1020	169	6.4	32
6	4.0	3.9	7.3	7.4	29	176	19	222	1850	160	21	23
7	3.7	3.9	7.0	14	34	89	17	88	2760	92	41	15
8	3.4	3.6	6.9	19	38	66	16	58	588	79	33	11
9	3.4	3.5	18	26	30	54	15	44	155	59	17	9.0
10	3.3	3.0	21	16	29	46	13	69	101	45	9.8	7.0
11	3.2	2.6	31	13	31	39	13	61	86	70	6.9	5.9
12	3.1	2.7	21	11	31	36	12	52	86	43	5.3	5.2
13	2.7	3.0	14	9.4	30	35	11	36	106	115	5.1	5.6
14	2.6	3.1	11	8.7	24	32	9.6	31	72	64	4.2	44
15	2.6	9.5	9.9	8.2	21	32	8.5	31	58	51	4.2	221
16	2.7	10	9.1	7.8	20	29	7.8	182	47	35	3.9	111
17	4.6	31	8.4	7.9	20	26	7.0	278	58	24	3.5	51
18	34	41	8.1	7.7	20	24	6.5	115	58	18	4.2	30
19	22	40	7.8	8.2	20	22	6.7	67	46	14	4.0	20
20	28	21	7.3	26	21	19	6.1	46	35	12	3.5	14
21	20	14	6.9	37	20	21	6.2	33	27	9.4	3.2	11
22	13	12	6.7	46	22	33	6.9	25	23	8.0	3.1	8.9
23	8.0	13	7.0	30	22	37	7.9	20	24	6.7	3.0	7.9
24	5.4	13	7.1	23	22	41	11	17	38	5.5	4.3	7.1
25	3.6	16	6.9	18	24	32	9.9	16	28	4.8	4.4	6.5
26	2.7	16	7.0	15	21	26	12	21	64	4.2	3.6	5.9
27	7.1	18	7.2	14	19	23	11	25	60	8.1	4.7	5.5
28	25	21	6.9	14	19	21	7.4	23	42	11	6.0	5.1
29	60	24	6.6	12	---	25	6.0	17	30	10	5.3	5.7
30	28	15	6.7	12	---	40	5.8	12	17	8.1	6.1	8.1
31	15	---	6.7	11	---	43	---	16	---	7.7	11	---
TOTAL	339.2	377.5	311.8	453.0	670	1615	393.3	2596	7687	1271.5	247.1	760.4
MEAN	10.9	12.6	10.1	14.6	23.9	52.1	13.1	83.7	256	41.0	7.97	25.3
MAX	60	41	31	46	38	308	39	736	2760	169	41	221
MIN	2.6	2.6	6.6	6.0	13	19	5.8	12	15	4.2	3.0	5.1
CFSM	.07	.09	.07	.10	.16	.35	.09	.57	1.73	.28	.05	.17
IN.	.09	.09	.08	.11	.17	.41	.10	.65	1.93	.32	.06	.19
AC-FT	673	749	618	899	1330	3200	780	5150	15250	2520	490	1510

CAL YR 1980 TOTAL 66226.6 MEAN 181 MAX 3790 MIN 2.5 CFSM 1.22 IN 16.65 AC-FT 131400
WTR YR 1981 TOTAL 16721.8 MEAN 45.8 MAX 2760 MIN 2.6 CFSM .31 IN 4.20 AC-FT 33170

08025500 BAYOU TORO NEAR TORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.83	3.14	3.26	3.15	3.31	3.25	3.54	3.10	3.13	3.29	3.01	3.05
2	2.83	3.07	3.23	3.14	3.45	3.33	3.41	4.60	3.17	3.42	2.96	3.15
3	2.85	3.03	3.20	3.15	3.53	3.64	3.33	3.92	3.97	3.90	2.93	3.25
4	2.82	2.99	3.18	3.14	3.54	4.81	3.29	3.75	4.57	3.78	2.92	3.31
5	2.79	2.97	3.18	3.14	3.44	6.08	3.26	7.98	8.58	4.86	2.99	3.38
6	2.77	2.97	3.17	3.18	3.60	5.17	3.20	5.52	11.81	5.30	3.30	3.23
7	2.76	2.97	3.16	3.32	3.69	4.28	3.17	4.28	14.24	4.55	3.62	3.08
8	2.75	2.96	3.16	3.42	3.75	3.95	3.15	3.84	7.40	4.36	3.49	3.00
9	2.75	2.96	3.40	3.55	3.59	3.76	3.12	3.63	5.26	4.07	3.21	2.95
10	2.75	2.95	3.46	3.38	3.57	3.64	3.10	4.01	4.69	3.84	3.05	2.90
11	2.74	2.93	3.64	3.31	3.59	3.54	3.08	3.90	4.48	4.20	2.96	2.87
12	2.74	2.94	3.46	3.27	3.59	3.48	3.07	3.75	4.47	3.80	2.92	2.85
13	2.72	2.96	3.33	3.23	3.57	3.47	3.05	3.50	4.74	4.76	2.90	2.86
14	2.72	2.96	3.27	3.22	3.46	3.43	3.01	3.42	4.28	4.39	2.87	3.36
15	2.71	3.14	3.24	3.20	3.40	3.42	2.99	3.42	4.06	3.90	2.86	5.52
16	2.72	3.17	3.22	3.19	3.37	3.38	2.97	4.95	3.89	3.64	2.84	4.50
17	2.78	3.56	3.21	3.19	3.35	3.32	2.95	5.91	4.07	3.46	2.83	3.69
18	3.36	3.73	3.20	3.19	3.35	3.29	2.93	4.62	4.06	3.34	2.84	3.35
19	3.19	3.71	3.19	3.20	3.34	3.26	2.94	3.99	3.87	3.27	2.83	3.17
20	3.31	3.40	3.18	3.54	3.33	3.21	2.92	3.66	3.70	3.21	2.81	3.07
21	3.19	3.27	3.17	3.74	3.32	3.23	2.92	3.45	3.58	3.15	2.80	3.00
22	3.06	3.23	3.16	3.88	3.35	3.45	2.95	3.31	3.49	3.11	2.78	2.95
23	2.98	3.27	3.17	3.62	3.33	3.52	2.97	3.23	3.51	3.06	2.78	2.92
24	2.92	3.25	3.17	3.49	3.33	3.59	3.05	3.18	3.75	3.03	2.82	2.90
25	2.88	3.33	3.17	3.41	3.35	3.43	3.02	3.15	3.59	2.99	2.82	2.89
26	2.86	3.33	3.17	3.35	3.28	3.34	3.07	3.25	---	2.97	2.79	2.87
27	2.99	3.36	3.17	3.32	3.24	3.28	3.04	3.31	---	3.07	2.83	2.86
28	3.40	3.41	3.16	3.32	3.24	3.23	2.96	3.29	---	3.15	2.87	2.85
29	3.98	3.47	3.16	3.30	---	3.32	2.92	3.17	---	3.12	2.85	2.86
30	3.47	3.32	3.16	3.28	---	3.56	2.91	3.07	---	3.07	2.87	2.93
31	3.23	---	3.16	3.26	---	3.61	---	3.14	---	3.05	3.00	---
MEAN	2.96	3.19	3.23	3.33	3.44	3.65	3.08	3.91	---	3.65	2.95	3.19
MAX	3.98	3.73	3.64	3.88	3.75	6.08	3.54	7.98	14.24	5.30	3.62	5.52
MIN	2.71	2.93	3.16	3.14	3.24	3.21	2.91	3.07	---	2.97	2.78	2.85

08025606 BAYOU TORO NEAR TOLEDO BEND, NEAR TORO, LA

LOCATION.--Lat 31°12'12", long 93°32'39", on line between sec. 25 and 36, T.2 N., R. 11 W., Vernon Parish, Hydrologic Unit 12010005, near left bank on downstream side of bridge on State Highway 392, 1.8 mi (2.9 km) upstream from mouth and 7.3 mi (11.8 km) south of Toro.

DRAINAGE AREA.--205 mi^2 (531 km^2).

PERIOD OF RECORD.--June 1966 to July 1974 low-flow measurements and occasional miscellaneous measurements. October 1976 to current year (elevations only).

REVISED RECORDS.--WDR LA-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 108.82 ft (33.168 m) May 19, 1980; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 99.17 ft (30.227 m) June 7; minimum, less than 91.80 ft (lowest recordable stage) many days during year.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			91.81		91.80	91.82	91.96		92.08	91.85		
2					91.85	91.85	91.90	91.83	91.83	91.83		
3					91.86	91.85	91.87	92.30	91.98	92.15		
4					91.90	92.52	91.84	91.98	92.45	92.14		91.95
5					91.91	92.86	91.83	95.10	93.40	91.97		91.81
6					91.98	92.86	91.81	93.20	96.85	93.25		91.83
7				91.84	92.01	92.36		92.48	98.77	92.65		
8				91.84	92.01	92.17		92.19	95.36	92.34	91.93	
9			91.90	91.88	91.99	92.07		92.86	92.97	92.27	91.88	
10			91.93	91.90	91.96	92.01		92.42	92.56	92.11		
11			91.88	91.84	91.96	91.97		92.14	92.44	92.56		
12			91.94	91.82	91.93	91.93		92.10	92.36	92.30		
13			91.86	91.80	91.94	91.92		92.00	92.67	92.10		
14			91.81		91.92	91.91		91.95	92.33	92.45		
15			91.80		91.88	91.89		91.90	92.22	92.14		92.77
16		91.80			91.86	91.88		92.14	92.12	92.05		92.57
17		91.97			91.85	91.85		93.15	92.06	91.95		92.09
18	92.18	91.95			91.84	91.83		92.62	92.17	91.89		91.91
19	91.98	92.02			91.84	91.81		92.27	92.12	91.85		91.81
20		91.98		92.04	91.84	91.80		92.07	92.09	91.82		
21	91.81	91.84		92.06	91.83	---		91.97	91.98			
22		91.80		92.06	91.85	91.87		91.90	91.94			
23		91.83		92.04	91.84	91.92		91.85	91.93			
24		91.82		91.96	91.83	91.92		91.83	92.13			
25		91.80		91.89	91.83	91.91		91.82	92.00			
26		91.84		91.86	91.84	91.86		91.82	91.96			
27		91.87		91.84	91.82	91.83		91.83	92.17			
28	91.90	91.85		91.83	91.81	91.81		91.85	92.12			
29	91.87	91.86		91.82	---	91.82		91.83	91.93			
30	92.05	91.86		91.80	---	91.92			91.90			
31	91.82	---		91.80	---	91.95	---		---			---
MEAN	---	---	---	---	91.89	---	---	---	92.70	---	---	---
MAX	92.18	92.02	91.94	92.06	92.01	92.86	91.96	95.10	98.77	93.25	91.88	92.77
MIN	---	---	---	---	91.80	---	---	---	91.83	---	---	---

08026000 SABINE RIVER NEAR BURKEVILLE, TX

LOCATION.--Lat 31°03'50", long 93°31'10", Newton County, Texas - Vernon Parish, Louisiana State line, Hydrologic Unit 12010005, near left edge of low-water channel at downstream side of bridge on State Highway 63, about 200 ft (61 m) downstream from Pearl Creek, 10 mi (16 km) northeast of Burkville, 16 mi (26 km) downstream from Bayou Toro, and at mile 139.7 (224.8 km).

DRAINAGE AREA.--7,482 mi2 (19,378 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1955 to current year. Published as "below Toledo Bend near Burkeville" for period 1955-75.

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 70.59 ft (21.516 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1958, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good. Flow regulated by Toledo Bend Reservoir (station 08025350) 16.8 mi (27.0 km) upstream, capacity, 4,660,000 acre-ft (5.75 km3).

AVERAGE DISCHARGE.--11 years (water years 1956-66) prior to completion of Toledo Bend Reservoir, 4,653 ft3/s (131.8 m3/s), 3,371,000 acre-ft/yr (4.16 km3/yr); 15 years (water years 1967-81) regulated, 5,031 ft3/s (142.5 m3/s), 3,645,000 acre-ft/yr (4.49 km3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft3/s (2,280 m3/s) Jan. 29, 1974, gage height, 34.20 ft (10.424 m); minimum daily, 38 ft^3/s (1.08 m^3/s) Sept. 14, 15, 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1860, 35.9 ft (10.94 m) in May 1884, from information by local resident. Flood of Apr. 15, 1945, reached a stage of 35.8 ft (10.91 m), and flood of May 23, 1953, reached a stage of 35.3 ft (10.76 m) from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,500 ft3/s (326 m3/s) Aug. 10, gage height, 15.83 ft (4.825 m); minimum daily, 216 ft3/s (6.12 m3/s) Apr. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	378	903	558	407	325	250	745	670	690	4150	7180	269
2	273	262	614	799	898	789	360	414	872	3370	7270	780
3	239	521	780	395	414	365	706	718	1080	1820	7110	822
4	265	531	371	262	298	1440	355	580	414	379	6920	1090
5	265	525	778	781	295	1190	239	2370	1810	359	7100	1450
6	479	524	371	398	352	694	687	1260	3280	2250	7190	564
7	849	533	267	876	348	485	334	1030	3510	4220	7040	474
8	834	532	775	432	313	373	697	431	2820	5430	7280	858
9	834	234	481	850	300	323	337	886	2010	5380	7220	835
10	855	528	902	425	301	297	676	798	2890	5180	7310	812
11	631	537	439	282	291	284	324	975	2900	3180	7320	820
12	245	516	297	849	275	273	216	352	2900	515	6990	1280
13	385	528	285	416	272	274	264	683	1470	1390	7310	695
14	709	668	273	836	271	270	685	313	467	4510	7330	501
15	1070	448	266	410	268	264	653	689	1700	4840	7430	1130
16	497	327	778	835	265	732	656	407	2310	1810	7310	1010
17	569	445	972	391	262	351	843	1210	2890	2510	6980	889
18	696	619	657	242	807	788	779	597	2330	6600	5110	840
19	447	1160	738	727	373	346	782	832	2930	7020	4290	1290
20	320	486	337	475	807	682	767	397	1680	5160	4290	596
21	276	968	260	818	378	353	1550	587	320	5070	4240	506
22	248	610	823	423	271	279	1880	588	1330	6950	2130	776
23	236	377	406	832	789	735	2020	5620	2620	7010	325	843
24	444	1280	866	424	366	366	2040	6600	2550	6980	2440	853
25	639	1480	389	294	780	732	2360	6540	2950	6920	4260	849
26	229	5770	821	2170	367	360	2480	6830	5160	6020	4220	1360
27	480	1340	393	2710	786	705	2510	7710	4810	6700	4300	561
28	806	879	254	2740	364	349	820	5740	5280	7140	4380	586
29	386	431	815	849	---	253	247	4770	3870	7180	2170	818
30	537	315	398	855	---	731	228	547	4500	7300	319	837
31	319	---	838	394	---	368	---	256	---	7120	260	---
TOTAL	15440	24277	17202	23597	11828	15701	27240	61400	74343	144463	165024	24994
MEAN	498	809	555	761	422	506	908	1981	2478	4660	5323	833
MAX	1070	5770	972	2740	898	1440	2510	7710	5280	7300	7430	1450
MIN	229	234	254	242	262	250	216	256	320	359	260	269
AC-FT	30630	48150	34120	46800	23460	31140	54030	121800	147500	286500	327300	49580

CAL YR 1980 TOTAL 2030232 MEAN 5547 MAX 35300 MIN 229 AC-FT 4027000
WTR YR 1981 TOTAL 605509 MEAN 1659 MAX 7710 MIN 216 AC-FT 1201000

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1968 to current year.
WATER TEMPERATURES: May 1968 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1981 water year are available from the Texas Report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	HARD-NESS (MG/L AS CACO3)
NOV										
20...	1435	402	160	6.7	12.0	20	2.3	--	.5	30
JAN										
22...	1400	348	114	6.8	8.5	30	.20	13.4	.7	36
FEB										
10...	1530	--	122	--	15.0	--	--	--	--	25
MAR										
18...	1010	370	158	7.4	15.0	5	7.1	10.4	1.4	32
MAY										
28...	1440	5540	158	7.2	21.0	5	5.4	10.0	.5	34
JUL										
30...	1245	4880	152	6.9	28.0	5	4.0	7.1	.5	30
SEP										
22...	1430	326	160	6.4	25.0	5	2.4	8.8	.3	31

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
NOV										
20...	13	7.7	2.7	16	3.2	17	21	22	.1	8.6
JAN										
22...	17	11	2.0	11	2.1	19	15	15	.1	10
FEB										
10...	16	6.2	2.3	13	2.3	9	18	20	.1	13
MAR										
18...	11	7.9	2.9	16	2.8	21	20	18	.1	9.3
MAY										
28...	16	8.3	3.1	17	2.8	18	21	22	.1	6.6
JUL										
30...	10	7.2	2.9	15	2.8	20	16	21	.4	6.3
SEP										
22...	0	7.2	3.1	16	3.1	32	--	21	.1	6.5

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 20...	91	0	.00	.00	.00	.01	.62	.04	5.6
JAN 22...	78	11	.11	.01	.12	.03	.65	.03	6.2
FEB 10...	80	--	--		--	-	--	-	--
MAR 18...	90	2	.03	.00	.03	.03	.80	.20	6.4
MAY 28...	92	12	.03	.00	.03	.11	.72	.03	22
JUL 30...	84	7	.11	.02	.13	.23	.91	.03	4.6
SEP 22...	--	10	.10	.03	.13	.10	.59	.02	5.8

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV 20...	0	50	2	0	<10	90	<10	140	2.5	0	0	30
MAY 28...	1	50	<1	10	<10	<10	<10	20	.1	0	0	6
JUL 30...	0	50	<1	0	<10	70	<10	32	.3	0	0	7

< Actual value is known to be less than the value shown.

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs. 25 and 26, T.1 S., R.10 W., Vernon Parish, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi (7.7 km) northwest of Rosepine.

DRAINAGE AREA.--365 mi^2 (945 km^2).

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 2122: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft (35.994 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft or 50.9 hm^3) except January 1956 to September 1958 and Vernon Lake (usable capacity, 58,0000 acre-ft or 71.5 hm^3) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--30 years, 430 ft^3/s (12.18 m^3/s), 16.00 in/yr (406 mm/yr), 311,500 acre-ft/yr (384 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,300 ft^3/s (1,820 m^3/s) May 19, 1953, gage height, 28.38 ft (8.650 m); minimum, 4.0 ft^3/s (0.11 m^3/s) Sept. 28, 29, 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,340 ft^3/s (66.3 m^3/s) June 6, gage height, 14.49 ft (4.417 m); minimum, 5.3 ft^3/s (0.15 m^3/s) Sept. 28, 29, 30, gage height, 2.85 ft (0.869 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	27	65	22	1060	44	67	38	18	100	30	8.1
2	22	22	60	21	2020	45	58	94	19	81	25	15
3	17	19	47	21	1130	45	61	76	69	76	22	26
4	15	17	42	22	456	552	61	50	67	87	18	46
5	13	15	38	21	177	1330	56	76	1130	113	23	38
6	12	13	36	24	201	708	49	143	2270	255	31	21
7	12	13	30	45	245	228	43	94	2000	953	20	15
8	12	12	28	43	181	153	38	66	1240	658	14	11
9	12	12	97	35	130	120	37	50	584	505	10	8.6
10	12	12	165	32	110	98	35	56	383	419	8.6	7.1
11	12	12	107	29	105	85	33	94	374	336	10	6.7
12	11	11	68	27	87	76	31	114	370	250	10	6.3
13	12	10	51	26	75	74	29	82	292	252	12	5.9
14	11	12	43	25	68	72	28	70	209	209	13	23
15	11	55	37	25	65	66	25	78	142	177	13	66
16	28	129	33	23	63	61	24	86	104	140	8.6	54
17	35	252	31	23	61	57	23	212	185	116	7.6	28
18	60	237	29	21	60	54	22	221	98	93	8.1	20
19	92	121	28	23	58	51	21	140	70	76	7.1	15
20	65	76	26	74	56	48	20	99	56	61	7.6	10
21	45	61	24	108	55	51	19	68	47	50	7.1	8.1
22	37	60	24	82	59	82	20	49	39	42	7.1	7.1
23	32	91	24	63	61	82	65	37	36	33	6.7	6.7
24	30	94	25	48	54	66	185	31	36	28	8.1	6.3
25	25	76	24	40	50	56	76	32	87	23	25	5.9
26	20	69	23	36	48	50	48	38	143	19	16	5.9
27	26	69	23	34	46	46	35	42	182	21	9.4	5.6
28	140	65	23	32	45	44	28	33	204	30	6.7	5.6
29	102	58	22	30	---	61	25	27	170	53	6.7	5.6
30	58	67	22	28	---	100	24	22	130	51	5.9	5.6
31	36	---	22	27	---	80	---	19	---	44	6.3	---
TOTAL	1040	1787	1317	1110	6826	4685	1286	2337	10754	5351	403.6	493.1
MEAN	33.5	59.6	42.5	35.8	244	151	42.9	75.4	358	173	13.0	16.4
MAX	140	252	165	108	2020	1330	185	221	2270	953	31	66
MIN	11	10	22	21	45	44	19	19	18	19	5.9	5.6
AC-FT	2060	3540	2610	2200	13540	9290	2550	4640	21330	10610	801	978

CAL YR 1980 TOTAL 210724.0 MEAN 576 MAX 12600 MIN 10 AC-FT 418000
WTR YR 1981 TOTAL 37389.7 MEAN 102 MAX 2270 MIN 5.6 AC-FT 74160

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.08	3.12	3.47	3.07	8.56	3.28	3.49	3.23	3.03	3.77	3.15	2.92
2	3.05	3.07	3.43	3.06	13.15	3.29	3.41	3.72	3.04	3.61	3.10	3.00
3	3.00	3.04	3.31	3.08	9.25	3.29	3.44	3.57	3.51	3.57	3.07	3.11
4	2.96	3.02	3.26	3.07	5.92	6.22	3.44	3.34	3.49	3.66	3.03	3.30
5	2.94	3.00	3.23	3.06	4.34	10.12	3.39	3.57	8.97	3.85	3.08	3.23
6	2.93	2.98	3.21	3.09	4.52	7.29	3.33	4.09	14.21	4.83	3.16	3.06
7	2.92	2.98	3.15	3.29	4.79	4.69	3.27	3.72	13.07	8.43	3.05	3.00
8	2.92	2.97	3.13	3.27	4.38	4.17	3.23	3.48	9.70	7.04	2.99	2.96
9	2.92	2.97	3.73	3.28	4.00	3.92	3.22	3.33	6.67	6.26	2.95	2.93
10	2.92	2.97	4.26	3.17	3.85	3.75	3.20	3.39	5.59	5.81	2.93	2.90
11	2.92	2.97	3.82	3.14	3.81	3.64	3.18	3.72	5.55	5.34	2.95	2.89
12	2.91	2.96	3.50	3.12	3.66	3.57	3.16	3.88	5.53	4.82	2.95	2.88
13	2.92	2.95	3.35	3.11	3.56	3.55	3.14	3.62	5.08	4.83	2.97	2.87
14	2.91	2.97	3.27	3.10	3.50	3.53	3.13	3.52	4.56	4.56	2.98	3.08
15	2.90	3.37	3.22	3.10	3.47	3.48	3.10	3.58	4.09	4.34	2.98	3.48
16	3.08	3.90	3.18	3.08	3.45	3.44	3.08	3.65	3.79	4.09	2.93	3.36
17	3.16	4.85	3.16	3.08	3.44	3.40	3.08	4.57	4.39	3.89	2.91	3.13
18	3.39	4.74	3.14	3.06	3.43	3.37	3.07	4.63	3.75	3.71	2.92	3.05
19	3.60	3.92	3.13	3.08	3.41	3.35	3.06	4.07	3.52	3.57	2.90	3.00
20	3.44	3.57	3.11	3.55	3.39	3.32	3.05	3.76	3.39	3.44	2.91	2.95
21	3.26	3.44	3.09	3.63	3.38	3.35	3.04	3.50	3.31	3.34	2.90	2.92
22	3.10	3.43	3.09	3.62	3.42	3.62	3.05	3.33	3.24	3.26	2.90	2.90
23	3.13	3.69	3.09	3.45	3.44	3.62	3.44	3.22	3.21	3.18	2.89	2.89
24	3.10	3.71	3.10	3.32	3.37	3.48	4.41	3.16	3.21	3.13	2.92	2.88
25	3.04	3.57	3.09	3.25	3.34	3.39	3.57	3.17	3.64	3.08	3.10	2.87
26	2.99	3.51	3.08	3.21	3.32	3.34	3.32	3.23	4.10	3.04	3.01	2.87
27	3.05	3.51	3.08	3.19	3.30	3.30	3.20	3.26	4.38	3.06	2.94	2.86
28	4.04	3.47	3.08	3.17	3.29	3.28	3.13	3.18	4.53	3.15	2.89	2.86
29	3.77	3.41	3.07	3.15	---	3.44	3.10	3.11	4.29	3.36	2.89	2.86
30	3.40	3.49	3.07	3.13	---	3.77	3.09	3.07	4.00	3.35	2.87	2.86
31	3.21	---	3.07	3.12	---	3.60	---	3.04	---	3.28	2.88	---
MEAN	3.13	3.30	3.26	3.20	4.46	3.96	3.26	3.54	5.09	4.15	2.97	3.00
MAX	4.04	4.85	4.26	3.63	13.15	10.12	4.41	4.63	14.21	8.43	3.16	3.48
MIN	2.90	2.95	3.07	3.06	3.29	3.28	3.04	3.04	3.03	3.04	2.87	2.86

08028200 BAYOU ANACOCO NEAR KNIGHT, LA

LOCATION.--Lat 30°52'14", long 93°30'38", in SE1/4 sec.20, T.2 S., R.11 W., Beauregard-Vernon Parish line, near right bank of low-water channel at downstream side of bridge on State Highway 111, 4.9 mi (7.9 km) southwest of Knight, and 5.2 mi (8.4 km) upstream from mouth.

DRAINAGE AREA.--425 mi^2 (1,101 km^2).

PERIOD OF RECORD.--Water years 1958, 1961, 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1969 to September 1972.
WATER TEMPERATURES: December 1969 to September 1971.
COLOR: December 1969 to July 1972.

REMARKS.--Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft or 50.9 km^3) except January 1956 to September 1958 and Lake Vernon (usable capacity, 58,000 acre-ft or 71.5 km^3) since May 1963. Water used by paper mill at De Ridder is pumped from wells and discharged later as waste into bayou above station. This discharge is not continuous but is stored in a reservoir and is released whenever the flow of bayou is sufficient to dilute effluent from mill.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 910 micromhos Oct. 31, 1970; minimum daily, 40 micromhos Jan. 1, 1970, Jan. 7, 1972.
WATER TEMPERATURES: Maximum daily, 33.0°C June 15, 1970; minimum daily, 7.0°C Jan. 9, 10, 1970.
COLOR: Maximum daily, 600 units Mar. 16, 1971; minimum daily, 5 units June 20, 27-30, 1970.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 17...	1215	731	7.4	25.5	200	5.0	7.1	3.3	160	180
JAN 13...	1600	759	7.0	11.0	250	4.0	9.6	5.5	K90	<10
APR 09...	0800	512	7.1	21.0	200	4.0	6.7	3.8	K24	K68
JUL 16...	0835	402	6.6	28.0	100	6.0	6.3	1.5	K120	1700

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 17...	48	0	16	2.0	130	5.8	97	150	64
JAN 13...	54	0	18	2.2	140	4.2	117	160	60
APR 09...	37	0	12	1.6	94	3.9	86	100	41
JUL 16...	37	0	12	1.7	66	3.4	51	80	31

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 17...	.2	19	483	445	0	.39	1.3	.13	21
JAN 13...	.1	17	500	472	--	.16	1.4	.13	37
APR 09...	.1	17	331	322	16	.13	1.0	.15	29
JUL 16...	.1	13	272	238	--	.20	1.3	.08	19

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
OCT											
17...	1	1	0	0	0	0	1	0	10	2	0
APR											
09...	25	4	0	0	0	0	0	0	20	4	0

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
OCT											
17...	6	4	1	340	41	15	4	10	10	.1	.2
APR											
09...	1	2	2	570	80	13	1	8	9	.2	.2

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT											
17...	.00	9	4	0	0	7.0	10	10	3	.00	1
APR											
09...	.00	4	1	0	0	11	--	30	3	.00	14

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT											
17...	.0	0	.0	0	.00	.0	.0	0	.00	.0	.00
APR											
09...	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1	<.01

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
17...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
APR											
09...	<.1	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

< Actual value is known to be less than the value shown.

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
17...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
APR										
09...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
17...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
APR										
09...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATL. (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
17...	.00	.0	.0	0	.00	.0	.00	.00	.00	.00
APR										
09...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

08028500 SABINE RIVER NEAR BON WIER, TX

LOCATION.--Lat 30°44'49", long 93°36'30", Beauregard Parish, Louisiana - Newton County, Texas State line, Hydrologic Unit 12010005, near left bank at downstream side of bridge on U.S. Highway 190, 0.7 mi (1.1 km) upstream from Quicksand Creek, 0.8 mi (1.3 km) upstream from Gulf, Colorado, and Santa Fe Railway Co. bridge, 2.0 mi (3.2 km) east of Bon Wier, 2.4 mi (3.9 km) upstream from Caney Creek, and at mile 97.7 (157.2 km).

DRAINAGE AREA.--8,229 mi2 (21,313 km2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1923 to current year. Monthly discharge only for some periods, published in WSP 1312. Gage-height records collected in this vicinity since 1913 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 1342: 1953. WSP 1442: 1924, 1926-27(M), 1929(M), 1939. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 43.42 ft (13.234 m) National Geodetic Vertical Datum of 1929. Prior to July 8, 1931, nonrecording gage at site 0.8 mi (1.3 km) downstream and July 8, 1931 to Oct. 15, 1958, nonrecording gage at present site. Prior to Sept. 30, 1975, at datum 3.00 ft (0.914 m) higher.

REMARKS.--Water-discharge records fair. Flow regulated by Toledo Bend Reservoir (station 08025350) located 58.8 mi (94.6 km) upstream. Gage-height telemeter at station maintained by the National Weather Service.

AVERAGE DISCHARGE.--43 years (water years 1924-66) prior to completion of Toledo Bend Reservoir, 6,846 ft^3/s (193.9 m3/s), 4,960,000 acre-ft/yr (6.12 km3/yr); 15 years (water years 1967-81) regulated, 6,011 ft^3/s (170.2 m3/s), 4,355,000 acre-ft/yr (5.37 km3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 115,000 ft3/s (3,260 m3/s) May 19, 1953, gage height, 28.70 ft (8.748 m); minimum daily, 134 ft3/s (3.79 m^3/s) Nov. 9, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, 33.5 ft (10.21 m) Apr. 23 or 24, 1913, from information by Gulf, Colorado, and Santa Fe Railway Co. and local residents. Flood in May 1884 reached a stage of 29 ft (8.8 m). Floods occurring about 1844 and 1860 were higher than flood in May 1884, from information local residents. All flood data referenced to current datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,100 ft3/s (286 m^3/s) June 6, gage height, 12.62 ft (3.847 m); minimum daily, 462 ft3/s (13.1 m^3/s) Dec. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2070	742	707	854	1190	770	1040	700	731	5000	7700	708
2	813	1070	806	738	3190	554	1090	950	948	4570	7770	721
3	620	651	942	830	3670	873	970	850	1470	4280	7820	1120
4	537	694	947	738	2210	1330	1040	950	2070	2330	7660	1470
5	525	858	783	479	1320	5880	963	850	3010	1110	7540	1480
6	510	702	897	716	1060	4400	715	2500	9350	1810	7730	1730
7	612	849	760	672	1160	2460	969	1800	8240	4630	7800	993
8	962	694	570	927	1080	1590	924	1640	7400	6630	7680	795
9	962	849	978	806	928	1250	956	1090	4590	6760	7860	1070
10	952	544	1160	952	832	1060	923	1200	3590	6390	7980	1060
11	957	634	1350	806	775	931	931	1290	4400	6140	7920	1040
12	811	834	1020	551	741	862	899	1330	3430	3220	7900	1040
13	483	655	738	783	674	827	638	968	3300	1440	7650	1420
14	507	830	660	672	636	815	631	1010	2330	2440	7920	1080
15	788	792	614	830	618	793	1010	874	1270	5570	7940	939
16	993	883	578	694	616	756	918	1030	2300	4920	7980	1410
17	769	932	878	878	593	1050	1020	1290	3010	2010	7860	1260
18	962	1220	1080	760	580	936	1230	1860	3380	3710	7290	1140
19	1220	1280	783	533	928	1070	1170	1410	2920	7030	5460	1070
20	932	1550	854	854	783	924	1180	1300	3380	7360	4820	1440
21	694	1040	672	1120	931	989	1160	1000	1830	5150	4770	957
22	578	1230	462	1200	789	981	1860	876	782	6170	4680	784
23	533	1160	783	943	603	859	2450	1410	1740	7300	2200	1020
24	504	937	760	1010	923	1120	2830	6230	2910	7380	922	1030
25	578	1550	902	863	772	986	2980	7260	2910	7300	3080	1030
26	849	2700	694	624	888	1060	3150	7350	3870	7280	4570	1020
27	544	5260	830	2050	775	946	3190	7680	5440	6530	4600	1450
28	863	1860	738	2860	888	1010	3180	7980	5390	7620	4660	910
29	1320	1210	806	2920	---	921	1480	6850	5600	7710	4720	724
30	878	907	1030	1310	---	751	800	4420	4760	7720	2140	972
31	883	---	694	1020	---	1170	---	1220	---	7730	840	---
TOTAL	25209	35117	25476	30993	30153	39924	42297	77168	106351	165240	187462	32883
MEAN	813	1171	822	1000	1077	1288	1410	2489	3545	5330	6047	1096
MAX	2070	5260	1350	2920	3670	5880	3190	7980	9350	7730	7980	1730
MIN	483	544	462	479	580	554	631	700	731	1110	840	708
AC-FT	50000	69650	50530	61470	59810	79190	83900	153100	210900	327800	371800	65220

CAL YR 1980 TOTAL 2452674 MEAN 6701 MAX 36700 MIN 462 AC-FT 4865000
WTR YR 1981 TOTAL 798273 MEAN 2187 MAX 9350 MIN 462 AC-FT 1583000

08028500 SABINE RIVER NEAR BON WEIR, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1970 to current year.
WATER TEMPERATURES: January 1970 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1981 water year are available from the Texas Report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT U[illegible])	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT							
07...	1840	769	231	23.0	--	28	24
14...	1710	486	224	24.0	--	28	25
21...	1730	655	191	20.0	--	13	29
28...	0920	610	215	17.0	--	27	22
NOV							
07...	1000	888	190	18.0	60	29	23
14...	1650	720	247	28.0	70	26	24
21...	1530	937	252	11.0	120	46	28
28...	1700	1380	195	13.0	60	30	28
DEC							
07...	1020	765	195	17.0	60	35	21
14...	1030	660	236	13.0	120	38	22
21...	1155	660	203	9.0	70	37	22
28...	1030	747	174	10.0	60	27	21
JAN							
07...	1330	643	211	12.0	80	37	21
14...	1510	618	194	12.0	60	30	21
21...	1230	1040	208	9.0	120	36	20
28...	1900	2730	174	12.0	100	26	22
FEB							
07...	0955	1160	208	10.0	140	36	19
14...	1050	634	203	9.0	120	30	23
21...	0840	830	203	18.0	100	33	20
28...	0945	816	197	18.0	70	30	37
MAR							
07...	0915	2580	130	15.0	140	20	12
14...	1100	816	182	19.0	140	33	28
21...	0845	811	196	15.0	100	31	20
28...	0950	912	212	18.0	60	34	21
APR							
07...	1730	1230	196	19.0	50	38	24
14...	1745	606	205	26.0	60	32	23
21...	1810	1280	186	25.0	40	28	26
28...	1810	3380	178	24.0	20	27	26
MAY							
07...	1050	2060	177	22.0	80	45	19
14...	1900	1230	240	25.0	80	49	23
21...	1910	888	264	25.0	100	64	25
28...	1800	7580	172	26.0	20	27	23
JUN							
07...	0950	8490	95	26.0	100	17	10
14...	1000	2390	167	27.0	50	20	19
21...	1745	1250	189	31.0	20	21	22
28...	1140	5990	--	--	--	--	--
JUL							
07...	1730	5630	89	28.0	70	12	12
14...	1750	3570	132	31.0	30	15	13
21...	1805	4760	156	31.0	10	15	22
28...	0825	8210	150	28.0	10	15	23
AUG							
07...	1725	7910	157	30.0	10	7.0	20
14...	1810	8180	154	30.0	20	7.0	21
21...	1835	5320	169	30.0	10	8.0	20
28...	1935	5120	164	28.0	10	9.0	23
SEP							
14...	1745	922	173	27.0	20	17	24
21...	0910	1000	178	23.0	20	23	24

08028700 HOOSIER CREEK NEAR MERRYVILLE, LA

LOCATION.--Lat 30°43'32", long 93°33'36", in SE1/4 sec.11, T.4 S., R.12 W., Beauregard Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on State Highway 389, 2.0 mi (3.2 km) upstream from Pullem Branch, and 2.0 mi (3.2 km) south of Merryville.

DRAINAGE AREA.--13.1 mi^2 (33.9 km^2).

PERIOD OF RECORD.--October 1955 to September 1981 (discontinued).

REVISED RECORDS.--WSP 1732: Drainage area. WDR LA-80-1: 1957-58(P), 1961(M), 1964(P), 1967(P), 1973(P), 1974-75(M).

GAGE.--Water-stage recorder. Datum of gage is 60.53 ft (18.450 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1981 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--26 years, 13.9 ft^3/s (0.394 m^3/s), 14.41 in/yr (366 mm/yr), 10,070 acre-ft/yr (12.4 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,550 ft^3/s (101 m^3/s), Mar. 24, 1973, gage height, 12.86 ft (3.920 m), rating curve extended above 720 ft^3/s (20.4 m^3/s); minimum, 0.80 ft^3/s (0.023 m^3/s) Sept. 14, 15, 16, 17, 18, 19, 1965.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 400 ft^3/s (11 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
June 6	0015	*511	14.5	*8.23	2.508

Minimum discharge, 1.3 ft^3/s (0.037 m^3/s) Aug. 23, 24, minimum gage height, 0.40 ft (0.122 m) May 29, 30, 31, June 1, 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	2.4	2.7	2.6	36	2.2	3.3	2.1	1.6	2.1	1.5	1.6
2	2.2	2.4	2.6	2.6	53	2.3	2.8	2.0	1.6	2.2	1.5	1.9
3	2.1	2.3	2.6	2.7	14	2.3	2.6	2.1	2.3	29	1.6	1.9
4	2.0	2.3	2.4	2.7	6.8	42	2.6	2.2	7.5	11	1.6	2.3
5	2.0	2.3	2.4	3.8	5.9	118	2.6	8.4	163	21	1.6	2.1
6	2.0	2.3	2.5	6.7	19	13	2.5	6.0	224	216	1.7	1.9
7	2.0	2.3	2.5	4.2	20	5.5	2.4	3.0	22	254	1.8	1.7
8	2.0	2.3	2.7	3.5	8.9	4.1	2.4	2.3	8.4	53	1.7	1.6
9	2.0	2.3	17	3.4	6.0	3.5	2.4	2.1	4.9	15	1.6	1.5
10	2.0	2.3	32	3.2	7.0	3.0	2.4	2.1	3.7	7.8	1.5	1.5
11	2.0	2.3	8.5	3.0	18	2.8	2.4	2.2	6.2	5.8	1.5	1.4
12	2.0	2.3	4.2	2.9	8.5	2.7	2.3	2.0	18	5.8	1.7	1.5
13	2.0	2.4	3.4	2.9	5.0	3.0	2.3	1.9	11	5.0	2.1	1.5
14	2.0	2.5	3.2	2.8	4.1	3.2	2.3	2.0	6.0	8.6	1.7	1.7
15	2.0	2.6	2.9	2.8	3.7	2.9	2.2	2.0	3.9	5.3	1.5	1.6
16	2.0	3.2	2.9	2.8	3.5	2.7	2.2	3.4	3.0	3.8	1.5	2.0
17	2.1	10	2.8	2.8	3.4	2.5	2.2	12	2.7	3.1	1.4	1.8
18	3.5	11	2.7	2.8	3.2	2.5	2.1	3.8	2.6	2.7	1.4	1.6
19	10	4.9	2.6	2.8	3.1	2.4	2.1	2.3	2.5	2.4	1.4	1.5
20	5.7	3.4	2.6	11	2.9	2.4	2.1	2.0	2.4	2.3	1.4	1.5
21	2.7	3.0	2.6	20	2.8	2.5	2.1	1.9	2.3	2.2	1.4	1.5
22	2.4	3.1	2.6	6.0	2.8	3.8	2.1	1.8	2.2	2.1	1.4	1.6
23	2.3	6.6	2.6	4.5	3.0	3.6	2.2	1.8	2.7	2.0	1.4	1.5
24	2.3	6.8	2.6	4.0	2.6	2.8	4.4	1.8	8.2	1.9	1.5	1.5
25	2.3	4.0	2.7	3.5	2.4	2.6	3.4	1.7	6.6	1.9	1.4	1.5
26	2.3	3.6	2.6	3.5	2.4	2.5	2.4	1.7	3.4	1.8	1.3	1.4
27	2.3	6.0	2.6	3.7	2.3	2.4	2.2	1.7	2.6	1.9	1.5	1.4
28	2.4	4.7	2.6	3.6	2.2	2.4	2.1	1.7	2.4	1.8	1.5	1.4
29	2.7	3.4	2.6	3.6	---	2.5	2.1	1.7	2.3	1.6	1.5	1.5
30	2.5	2.8	2.6	3.5	---	6.0	2.1	1.7	2.2	1.6	1.5	1.4
31	2.4	---	2.6	3.4	---	5.0	---	1.7	---	1.5	1.5	---
TOTAL	80.6	111.8	133.9	131.3	252.5	259.1	73.3	85.1	532.2	676.2	47.6	48.8
MEAN	2.60	3.73	4.32	4.24	9.02	8.36	2.44	2.75	17.7	21.8	1.54	1.63
MAX	10	11	32	20	53	118	4.4	12	224	254	2.1	2.3
MIN	2.0	2.3	2.4	2.6	2.2	2.2	2.1	1.7	1.6	1.5	1.3	1.4
CFSM	.20	.29	.33	.32	.69	.64	.19	.21	1.35	1.66	.12	.12
IN.	.23	.32	.38	.37	.72	.74	.21	.24	1.51	1.92	.14	.14
AC-FT	160	222	266	260	501	514	145	169	1060	1340	94	97

CAL YR 1980 TOTAL 6156.7 MEAN 16.8 MAX 664 MIN 1.9 CFSM 1.28 IN 17.48 AC-FT 12210
WTR YR 1981 TOTAL 2432.4 MEAN 6.66 MAX 254 MIN 1.3 CFSM .51 IN 6.91 AC-FT 4820

08028700 HOOSIER CREEK NEAR MERRYVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.64	.52	.62	.55	2.18	.60	.73	.48	.41	.45	.49	.55
2	.58	.52	.62	.55	2.94	.62	.65	.47	.40	.47	.50	.63
3	.55	.51	.60	.55	1.25	.64	.62	.48	.57	1.93	.54	.64
4	.53	.50	.59	.56	.90	2.35	.61	.51	1.13	1.17	.53	.79
5	.52	.50	.58	.69	.84	4.28	.60	1.05	4.02	1.59	.53	---
6	.51	.50	.59	.94	1.50	1.41	.59	.97	5.42	5.97	.55	---
7	.51	.51	.60	.74	1.52	1.03	.57	.68	1.70	6.37	.60	---
8	.51	.50	.65	.66	1.05	.90	.55	.55	1.07	2.88	.55	---
9	.51	.50	1.49	.63	.88	.83	.55	.51	.83	1.36	.52	---
10	.50	.50	2.18	.61	.94	.75	.55	.51	.72	1.03	.50	---
11	.50	.51	1.12	.59	1.49	.72	.53	.53	.92	.91	.50	---
12	.49	.51	.83	---	1.05	.70	.53	.49	1.52	.91	.56	---
13	.49	.52	.73	---	.83	.74	.52	.47	1.18	.84	.71	---
14	.49	.54	.70	---	.76	.77	.52	.47	.92	1.07	.57	.53
15	.49	.57	.66	---	.73	.72	.49	.48	.74	.87	.52	.51
16	.49	.66	.65	---	.71	.68	.48	.70	.62	.74	.49	---
17	.49	1.15	.63	---	.70	.65	.47	1.35	.57	.67	.47	---
18	.72	1.24	.62	---	.69	.64	.47	.80	.55	.62	.47	---
19	1.23	.85	.61	---	.68	.62	.48	.57	.53	.57	.46	---
20	.92	.70	.59	---	.66	.61	.48	.50	.51	.55	.46	---
21	.62	.64	---	---	.65	.63	.48	.47	.49	.54	.46	---
22	.55	.66	.57	---	.66	.81	.48	.45	.48	.52	.47	---
23	.53	.96	.57	---	.70	.78	.52	.44	.55	.51	.46	---
24	.52	1.00	.58	---	.64	.68	.81	.43	1.03	.50	.47	---
25	.51	.78	.58	---	.61	.63	.71	.42	.95	.50	.47	---
26	.51	.74	.56	---	.61	.62	.56	.42	.67	.50	.46	---
27	.52	.96	.56	.61	.60	.61	.51	.42	.56	.52	.50	---
28	.54	.85	.56	.61	.59	.60	.50	.42	.52	.52	.49	---
29	.58	.72	.55	.61	---	.61	.49	.41	.49	.54	.50	---
30	.54	.64	.55	.59	---	.97	.49	.41	.47	.52	.49	---
31	.53	---	.55	.58	---	.91	---	.42	---	.50	.50	---
MEAN	.57	.68	---	---	.98	.91	.55	.56	1.02	1.18	.51	---
MAX	1.23	1.24	2.18	---	2.94	4.28	.81	1.35	5.42	6.37	.71	.79
MIN	.49	.50	.55	.55	.59	.60	.47	.41	.40	.45	.46	.51

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than at stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of peak elevation at flood-profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow; and discharge measurements made for a seepage study are presented following the partial-record tables.

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin					
07344467	Logan Bayou near Shreveport, LA (station discontinued).	Lat 32°33'05", long 93°50'40", Caddo Parish, at culvert on State Highway 173, and 5.0 mi (8.0 km) northwest of Shreveport.	2.60	1976-81	7- 4-76a 8-25-77a 5- 7-78a 5- 4-79a 12-13-79a 6- 6-81	7.06 5.88 6.93 10.03 9.90 6.53	(#) (#) (#) (#) (#) (#)
07346950	Kelly Bayou near Ida, LA.	Lat 33°00'05", long 93°51'55", Caddo Parish, at bridge on State Highway 168, and 1.8 mi (2.9 km) east of Ida.	*73	1969-81	6- 5-81	40.83	(#)
07348100	McCain Creek near Shreveport, LA.	Lat 32°35'50", long 93°50'00", Caddo Parish, at bridge on State Highway 1, and 7.0 mi (11.3 km) northwest of Shreveport.	13.8	1954-68, 1974-81	1981	<40.48	(#)
07348725	Indian Creek at Shongaloo, LA.	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 535, and 0.8 mi (1.3 km) southeast of Shongaloo.	33.1	1967-81	5-17-81	42.11	(#)
07348760	Black Bayou at Leton, LA.	Lat 32°51'10", long 93°15'05", at bridge on State Highway 159, 0.5 mi (0.8 km) south of Leton.	49.8	1954-68, 1974-81	1981	<42.46	(#)
07349794	Collinsburg Creek near Plain Dealing, LA (station discontinued).	Lat 32°05'55", long 93°42'35", Bossier Parish, at culvert on State Highway 3, and 4.0 mi (6.4 km) south of Plain Dealing.	7.39	1977-81	1-13-77a 5- 7-78a 5- 4-79a 4-13-80a 6- 6-81	12.56 12.52 13.75 12.86 12.66	(#) (#) (#) (#) (#)
07350980	Boggy Bayou tributary near Greenwood, LA (station discontinued).	Lat 32°20'25", long 93°58'45", Caddo Parish, at culvert on unnumbered parish road, 7.0 mi (11.3 km) south of Greenwood.	0.26	1977-81	2-12-77a 5- 7-78a 5- 4-79a 5-16-80a 9-02-81	7.06 8.37 8.25 5.72 10.13	(#) (#) (#) (#) (#)
07350990	Boggy Bayou at Woolworth Road, near Keithville, LA.	Lat 32°22'35", long 93°54'00", Caddo Parish, at bridge 4.8 mi (7.7 km) southwest of Keithville.	41.3	1963-81	6- 6-81	42.61	(#)
07351205	Brush Bayou tributary No. 2, at Shreveport, LA.	Lat 32°26'30", long 93°48'05", Caddo Parish, at culvert on 70th Street, 5.8 mi (9.3 km) southwest of Shreveport Post Office.	3.68	1967-70, 1973-81	5- 9-81	15.67	(#)
07351300	Brush Bayou near Shreveport, LA.	Lat 32°23'25", long 93°46'15", Caddo Parish, at bridge on State Highway 526, and 2.5 mi (4.0 km) south of Shreveport.	27.1	1960-81	5- 9-81	b158.31	(#)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07351500	Cypress Bayou near Keithville, LA	Lat 32°18'00", long 93°49'40", Caddo Parish, at bridge on State Highway 171, and 2.0 mi (3.2 km) south of Keithville.	*66	1939-57c, 1958-81	6- 5-81	11.22	(‡)
07351670	Rambin Bayou near Frierson, LA.	Lat 32°13'25", long 93°42'15", De Soto Parish, at bridge on State Highway 175, and 1.5 mi (2.4 km) south of Frierson.	59.6	1966-81	6- 6-81	10.67	(‡)
07351700	Bayou Na Bonchasse near Mansfield, LA.	Lat 32°06'05", long 93°41'45", De Soto Parish, at bridge on State Highway 175, and 4.2 mi (6.8 km) north of Mansfield.	19.5	1958-68c, 1970-81	6- 6-81	11.71	(‡)
07351725	Buffalo Bayou tributary near Mansfield, LA (station discontinued).	Lat 32°03'20", long 93°36'00", De Soto Parish, at culvert on U.S. Highway 84, and 6.5 mi (10.5 km) east of Mansfield.	0.79	1977-81	1977a	<2.18	(‡)
					1978a	<2.18	(‡)
					5- 4-79a	2.64	(‡)
					5-16-80a	7.69	(‡)
					6- 6-81	5.67	(‡)
07351980	Saline Bayou near Bienville, LA.	Lat 32°24'10", long 92°56'45", Bienville Parish, at bridge on unnumbered parish road 1.0 mi (1.6 km) upstream from Bear Creek, and 4.0 mi (6.4 km) northeast of Bienville.	54.9	1967-81	6- 5-81	43.28	(‡)
07351990	Pea Vine Creek at Bienville, LA (station discontinued).	Lat 32°22'05", long 92°58'50", Bienville Parish, at culvert on State Highway 9, and 0.8 mi (1.3 km) north of Bienville.	7.05	1977-81	2-12-77a	11.18	(‡)
					5- 7-78a	13.76	(‡)
					5- 4-79a	15.50	(‡)
					4-13-80a	12.25	(‡)
					3- 5-81	11.02	(‡)
07352200	Black Lake Bayou near Minden, LA.	Lat 32°34'50", long 93°10'55", on Bienville-Webster Parish line, at bridge on U.S. Highway 80, and 7.0 mi (11.3 km) southeast of Minden.	38.6	1951-68, 1974-81	1981	<13.98	(‡)
07352265	Leatherman Creek tributary at Athens, LA (station discontinued).	Lat 32°38'20", long 93°02'00", Claiborne Parish, at culvert on State Highway 154, and 1.0 mi (1.6 km) southwest of Athens.	2.90	1977-81	1977a	<11.55	(‡)
					5- 7-78a	13.17	(‡)
					5- 4-79a	15.64	(‡)
					4-13-80a	13.46	(‡)
					5-17-81	11.59	(‡)
07352295	Black Lake Creek at Gibsland, LA.	Lat 32°33'15", long 93°03'05", Bienville Parish, at bridge on State Highway 154, and 0.6 mi (1.0 km) north of Gibsland.	44.8	1968-81	6- 6-81	45.78	(‡)
07352400	Kepler Creek at Sparta, LA.	Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 507, 0.8 mi (1.3 km) west of Sparta.	1.1	1954-68, 1974-81	5-26-81	42.07	(‡)
07352500	Black Lake Bayou near Castor, LA.	Lat 32°15'40", long 93°12'50", Bienville Parish, at bridge on State Highway 4, and 2.8 mi (4.5 km) northwest of Castor.	423	1941-57c, 1958-81	1981	<8.30	(‡)
07352580	Mill Creek at Ringgold, LA (station discontinued).	Lat 32°19'20", long 93°16'50" Bienville Parish, at culvert on State Highway 7, and 0.4 mi (0.6 km) south of Ringgold.	0.91	1977-81	1977a	<3.86	(‡)
					5- 7-78a	6.51	(‡)
					1-21-79a	5.84	(‡)
					5-16-80a	5.89	(‡)
					5-10-81	4.87	(‡)
07352723	Black Lake Bayou tributary near Ashland, LA (station discontinued).	Lat 32°05'30", long 93°13'10", Red River Parish, at culvert on State Highway 507, and 8.0 mi (12.9 km) southwest of Ashland.	0.79	1977-81	1-14-77a	<2.38	(‡)
					5- 7-78a	<2.38	(‡)
					5- 4-79a	<2.38	(‡)
					5-16-80a	7.18	(‡)
					6- 7-81	6.69	(‡)
07352730	Antoine Creek near Ashland, LA.	Lat 32°05'50", long 93°06'10", Natchitoches Parish, at bridge on State Highway 153, and 3.0 mi (4.8 km) south of Ashland.	17.7	1964-81	6- 7-81	42.54	(‡)

See footnotes at end of the table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07353780	Sibley Lake tributary near Natchitoches, LA (station discontinued).	Lat 31°46'50", long 93°07'20", Natchitoches Parish, at culvert on State Highway 1, 2.4 mi (3.9 km) west of intersection of State Highways 1 and 6, in Natchitoches.	.65	1975-81	6- 4-81	8.47	(‡)
07353990	Kisatchie Bayou at Kisatchie, LA.	Lat 31°25'20", long 93°10'14", Natchitoches Parish, at bridge on State Highway 117, and 0.6 mi (1.0 km) north of Kisatchie.	37.3	1966-81	6- 5-81	17.80	(‡)
07354420	Bayou Provencal tributary near Provencal, LA (station discontinued).	Lat 31°37'30", long 93°11'40", Natchitoches Parish, at culvert on State Highway 117, 1.2 mi (1.9 km) upstream from mouth, and 1.9 mi (3.1 km) south of Provencal.	.82	1977-81	1981	<7.36	(‡)
07355456	Williamson Branch at Gardner, LA (station discontinued).	Lat 31°16'20", long 92°41'15", Rapides Parish, at culvert on State Highway 28, 0.5 mi (0.8 km) northeast of Gardner, and 1.8 mi (2.9 km) upstream from mouth.	.57	1977-81	6- 6-81	11.57	(‡)
07355618	Slash Bayou tributary at Holloway, LA (station discontinued).	Lat 31°23'40", long 92°13'30", Rapides Parish, at culvert on State Highway 28, 0.4 mi (0.6 km) northeast of Holloway.	.22	1977-81	6- 6-81	12.38	(‡)
07364108	Cook Creek tributary at Spencer, LA (station discontinued).	Lat 32°43'55", long 92°07'30", Union Parish, at culvert on State Highway 2, and 0.6 mi (1.0 km) southeast of Spencer.	0.49	1977-81	3-29-77a 5- 9-78a 4-23-79a 5-16-80a 3- 4-81	11.03 12.80 12.87 13.94 10.53	(‡) (‡) (‡) (‡) (‡)
07364507	Horse Bayou at Bastrop, LA (station discontinued).	Lat 32°48'00", long 91°54'15", Morehouse Parish, at culvert on State Highway 139, and 1.6 mi (2.6 km) north of Bastrop.	2.05	1976-81	3-11-76a 3-29-77a 5- 9-78a 4-23-79a 5-16-80a 5-16-81	8.09 7.93 10.25 7.88 8.29 5.78	(‡) (‡) (‡) (‡) (‡) (‡)
07364740	Bayou de Loutre near Farmerville, LA.	Lat 32°52'25", long 92°23'40", Union Parish, at bridge on State Highway 549, and 7.0 mi (11.3 km) north of Farmerville.	241	1966-81	5-17-81	44.83	(‡)
07364800	Bayou D'Arbonne at Homer, LA.	Lat 32°48'30", long 93°03'20", Claiborne Parish, at bridge on U.S Highway 79, and 0.2 mi (0.3 km) north of Homer.	*30	1954-68, 1974-81	6- 6-81	45.16	(‡)
07364870	Sugar Creek near Arcadia, LA.	Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 mi (16.6 km) northeast of Arcadia.	*47	1966-81	5-17-81	42.30	(‡)
07365300	Middle Fork Bayou D'Arbonne near Colquitt, LA.	Lat 32°55'40", long 92°59'40", Claiborne Parish, at bridge on State Highway 520, and 2.0 mi (3.2 km) southwest of Colquitt.	43.9	1954-68 1974-81	6- 6-81	46.78	(‡)
07366000	Corney Bayou near Lillie, LA.	Lat 32°53'15", long 92°39'25", Union Parish, at bridge on U.S. Highway 167, and 3.0 mi (4.8 km) south of Lillie.	462	1941-57c, 1958-81	5-20-81	15.86	(‡)
07366350	Stowe Creek near Farmerville, LA.	Lat 32°40'20", long 92°28'20", Union Parish, at bridge on State Highway 151, and 8.0 mi (12.9 km) southwest of Farmerville.	*29	1954-68, 1974-81	5-17-81	42.82	(‡)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07366403	Bayou Choudrant tributary near Tremont, LA (station discontinued).	Lat 32°31'55", long 92°27'55", Lincoln Parish, at culvert on Interstate Highway 20, and 1.1 mi (1.8 km) northwest of Tremont.	0.54	1977-81	3- 8-77a 9-15-78a 1-21-79a 4-13-80a 5-17-81	5.54 6.42 6.48 7.21 6.93	(‡) (‡) (‡) (‡) (‡)
07366420	Bayou Choudrant near Calhoun, LA.	Lat 32°32'30", long 92°22'45", Ouachita Parish, at bridge on State Highway 151, and 2.5 mi (4.0 km) northwest of Calhoun.	113	1966-81	5-19-81	41.03	(‡)
07367250	Guyton Creek near Eros, LA.	Lat 32°25'25", long 92°21'20", Ouachita Parish, at culvert on State Highway 546, and 4.3 mi (6.9 km) northeast of Eros.	8.76	1977-81	2-12-77a 1-24-78a 5- 4-79a 1-22-80a 5-17-81	9.51 9.68 10.75 10.00 9.01	(‡) (‡) (‡) (‡) (‡)
07367300	North Cheniere Creek at Cheniere, LA	Lat 32°29'35", long 92°15'40", Ouachita Parish, at bridge on State Highway 546, 1.0 mi (1.6 km) southwest of Cheniere.	*38	1954-68, 1974-81	1981	<41.70	(‡)
07367600	Cypress Creek near Vixen, LA.	Lat 32°17'20", long 92°14'45", Ouachita Parish, at bridge on State Highway 557, and 4.1 mi (6.6 km) northeast of Vixen.	*16	1954-68, 1974-81	3- 4-81	43.57	(‡)
07368300	Muddy Bayou tributary near Alto, LA (station discontinued).	Lat 32°21'25", long 91°51'25", Richland Parish, at culvert on State Highway 15, and 0.2 mi (0.3 km) east of Alto.	0.42	1977-81	3- 4-77a 5- 8-78a 1-20-79a 3-28-80a 2- 1-81	5.15 5.78 5.31 5.96 5.31	(‡) (‡) (‡) (‡) (‡)
07370530	Black Bayou at Kelly LA.	Lat 31°58'20", long 92°10'00", Caldwell Parish, at bridge on U.S. Highway 165, and 0.9 mi (1.4 km) southeast of Kelly.	51.9	1966-81	3- 4-81	38.80	(‡)
07368558	Dry Fork at Archibald, LA (station discontinued).	Lat 32°21'20", long 91°47'30", Richland Parish, at culvert on State Highway 15, 0.9 mi (1.4 km) west of Archibald.	2.78	1977-81	3- 4-77a 5- 8-78a 5-13-79a 3-28-80a 2- 1-81	10.43 9.74 11.64 9.90 9.27	(‡) (‡) (‡) (‡) (‡)
07370575	Caney Creek near Chatham, LA.	Lat 32°13'00", long 92°29'10", Jackson Parish, at bridge on State Highway 34, and 6.5 mi (10.5 km) southwest of Chatham.	48.8	1966-81	5-17-81	42.87	(‡)
07370600	Beaucoup Creek near Cotton Plant, LA.	Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 126, and 3.3 mi (5.3 km) west of Cotton Plant.	127	1951-68, 1974-81	1981	<9.68	(‡)
07370650	Flat Creek near Sikes, LA.	Lat 32°04'45", long 92°27'50", Winn Parish, at bridge on State Highway 126, and 1.5 mi (2.4 km) east of Sikes.	41.5	1951-68, 1975-81	6- 6-81	9.41	(‡)
07370660	Flat Creek near Olla, LA.	Lat 32°00'55", long 92°21'50", Winn Parish, at bridge on State Highway 127, 2.5 mi (4.0 km) downstream from Fish Creek, and 10.2 mi (16.4 km) northwest of Olla.	103	1966-81	6- 6-81	45.73	(‡)
07370700	Beech Creek near Olla, LA.	Lat 31°54'55", long 92°23'35", Winn Parish, at bridge on State Highway 124, and 9.0 mi (14.5 km) west of Olla.	*58	1954-68, 1975-81	3- 4-81	40.57	(‡)
07370750	Chickasaw Creek near Olla, LA.	Lat 31°52'30", long 92°13'35", La Salle Parish, at bridge on State Highway 127, 2.0 mi (3.2 km) southeast of Olla, and 3.5 mi (5.6 km) upstream from Tarver Creek.	47.6	1954-81	3- 4-81	38.07	(‡)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07370820	Dugdemona River near Quitman, LA.	Lat 32°20'40", long 92°44'40", Jackson Parish, at bridge on State Highway 155, and 1.7 mi (2.7 km) west of Quitman.	117	1965-81	1981	<39.81	(8)
07370840	Choctaw Creek near Hodge, LA.	Lat 32°22'05", long 92°48'45", Bienville Parish, at bridge on State Highway 147, and 8.5 mi (13.7 km) northwest of Hodge.	16.5	1966-81	6- 7-81	41.52	(8)
07370930	Cypress Bayou at Quitman, LA.	Lat 32°20'45", long 92°42'55", Jackson Parish, at bridge on U.S. Highway 167, and 0.8 mi (1.3 km) southeast of Quitman.	91.8	1966-81	1981	<40.07	(8)
07370950	Coulee Creek tributary near Hodge, LA (station discontinued).	Lat 32°17'10", long 92°45'00", Jackson Parish, at culvert on State Highway 147, and 1.7 mi (2.7 km) west of Hodge.	0.46	1977-81	1-14-77a 5- 7-78a 5- 4-79a 1-22-80a 1981	5.70 4.98 6.20 6.85 <4.85	(8) (8) (8) (8) (8)
07370980	Little Dugdemona River near Hodge, LA.	Lat 32°16'20", long 92°41'40", Jackson Parish, at bridge on State Highway 813-3, and 1.7 mi (2.7 km) east of Hodge.	*20	1964-81	1981	<40.00	(8)
07372110	Brushy Creek near Joyce, LA.	Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 mi (4.8 km) southeast of Joyce.	*24	1964-81	3- 4-81	42.81	(8)
07372113	Dugdemona River tributary near Joyce, LA (station discontinued).	Lat 31°54'55", long 92°32'25", Winn Parish, at culvert on U.S. Highway 84, and 3.8 mi (6.1 km) southeast of Joyce.	0.14	1977-81	6-18-77a 5- 7-78a 5- 4-79a 12-12-79a 6- 7-81	6.69 7.96 11.02 6.92 <6.59	(8) (8) (8) (8) (8)
07372300	Bear Creek near Packton, LA.	Lat 31°47'05", long 92°34'40", Grant Parish, at bridge on U.S. Highway 167, and 1.1 mi (1.8 km) south of Packton.	*11	1954-68, 1975-81	1981	<41.13	(8)
07372430	Bayou Funny Louis tributary No. 6 near Olla, LA.	Lat 31°52'35", long 92°01'15", La Salle Parish, at culvert on State Highway 126, 13.2 mi (21.2 km) east of Olla.	1.23	1973-81	3- 4-81	8.27	(8)
07372900	Dyson Creek near Pollock, LA.	Lat 31°32'20", long 92°25'40", Grant Parish, at bridge on unnumbered parish road, 0.8 mi (1.3 km) upstream from mouth, and 1.6 mi (2.6 km) northwest of Pollock.	*12	1965-81	6- 6-81	41.75	(8)
07381750	Spring Creek tributary near Hineston, LA (station discontinued).	Lat 31°08'40", long 92°42'00", Rapides Parish, at culvert on State Highway 488, 1.4 mi (2.3 km) upstream from mouth, and 3.5 mi (5.6 km) east of Hineston.	.16	1977-81	6- 6-81	7.68	(8)
07381850	Hurricane Creek tributary near Forest Hill, LA (station discontinued).	Lat 31°03'15", long 92°31'40", Rapides Parish, at culvert on U.S. Highway 165, 0.9 mi (1.4 km) north of Forest Hill, and 1.0 mi (1.6 km) upstream from mouth.	.95	1975-81	6- 6-81	9.11	(8)
		Mermentau River basin					
08011800	Castor Creek near Oberlin, LA.	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on parish road 0.1 mi (0.2 km) upstream from Mulberry Creek, and 8.5 mi (13.7 km) east of Oberlin.	43.9	1964-81	12-11-80	b44.78	(8)
08011190	East Fork Bayou Nezpique tributary near Bayou Chicot, LA (station discontinued).	Lat 30°50'15", long 92°21'30", Evangeline Parish, at culvert on U.S. Highway 167, 1.5 mi (2.4 km) north of Bayou Chicot, and 2.3 mi (3.7 km) upstream from mouth.	.38	1977-81	6- 6-81	6.51	(8)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Calcasieu River basin					
08011760	West Fork Caney Creek tributary near Oakdale, LA (station discontinued).	Lat 30°47'30", long 92°38'20", Allen Parish, at culvert on State Highway 372, 1.4 mi (2.3 km) south of junction of U.S. Highway 165 and State Highway 10 in Oakdale.	1.36	1977-81	1981	<3.50	(8)
08012650	Ploctaw Creek near Lacamp, LA.	Lat 31°10'55", long 92°59'45", Vernon Parish, at bridge on State Highway 28, and 5.0 mi (8.0 km) northwest of Lacamp.	18.7	1951-68, 1975-81	6- 6-81	14.22	(8)
08013350	Chinquapin Creek near Oberlin LA (station discontinued).	Lat 30°41'15", long 92°43'45", Allen Parish, at culvert on U.S. Highway 165, 3.4 mi (5.5 km) upstream from mouth, and 4.8 mi (7.7 km) northeast of Oberlin.	1.80	1975-81	6- 6-81	6.45	(8)
08013610	Whisky Chitto Creek tributary near Leesville, LA.	Lat 31°06'55", long 93°09'50", Vernon Parish, at culvert on Ninth Street in North Fort Polk, 3.2 mi (5.1 km) upstream from mouth.	0.32	1975-81	2- 1-81	11.37	(8)
08013700	Drakes Creek near Pitkin, LA.	Lat 30°57'45", long 93°08'15", Vernon Parish, at bridge on State Highway 10, and 12.5 mi (20.1 km) west of Pitkin.	22.1	1954-68, 1975-81	6- 6-81	14.37	(8)
08013800	Little Sixmile Creek near Pitkin, LA.	Lat 30°58'05", long 93°00'45", Vernon Parish, at bridge on State Highway 10, 1.0 mi (1.6 km) upstream from Spurlock Branch, and 5.0 mi (8.0 km) west of Pitkin.	10.4	1954-81	6- 6-81	13.63	(8)
08013950	Big Brushy Creek near Pitkin, LA.	Lat 30°54'55", long 92°53'30", Vernon Parish, at bridge on State Highway 10, and 3.0 mi (4.8 km) southeast of Pitkin, and 3.1 mi (5.0 km) upstream from mouth.	34.4	1965-81	6- 6-81	16.55	(8)
08014000	Sixmile Creek near Sugartown, LA.	Lat 30°48'52", long 92°55'34", Allen Parish, at bridge on State Highway 112, 5.5 mi (8.9 km) east of Sugartown, and 6.6 mi (10.6 km) upstream from mouth.	171	1957-65c, 1966-81	6- 6-81	12.86	(8)
08014200	Tenmile Creek near Elizabeth, LA.	Lat 30°50'11", long 92°52'26", Allen Parish, at bridge on State Highway 112, 0.3 mi (0.5 km) downstream from Carter Branch, and 5.3 mi (8.5 km) southwest of Elizabeth.	94.2	1950-65c, 1966-81	6- 6-81	15.35	(8)
08014600	Flat Creek near De Ridder, LA.	Lat 30°51'05", long 93°14'45", Beauregard Parish, at bridge on State Highway 112, 2.4 mi (3.9 km) east of De Ridder, and 3.2 mi (5.1 km) upstream from mouth.	26.3	1965-81	6- 6-81	10.48	(8)
08015200	Dry Creek at Dry Creek, LA.	Lat 30°39'25", long 93°02'45", Beauregard Parish, at bridge on State Highway 113, and 1.0 mi (1.6 km) south of Dry Creek.	42.7	1954-68, 1975-81	6- 7-81	20.21	(8)
08016500	Hickory Branch near Longville, LA.	Lat 30°36'23", long 93°15'49", Beauregard Parish, at bridge on State Highway 110, 2.1 mi (3.4 km) west of Longville, and 4.2 mi (6.8 km) upstream from Horse Branch.	34.9	1954-68, 1977-81	6- 7-81	17.11	(8)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Calcasieu River basin--Continued					
08016600	Hickory Branch at Kernan, LA.	Lat 30°30'05", long 93°16'45", Beauregard Parish, at bridge on State Highway 12, 0.7 mi (1.1 km) southwest of Kernan, and 3.0 mi (4.8 km) upstream from Cowpen Creek.	82.2	1946-57c, 1959-81	6- 7-81	20.24	(8)
		Sabine River basin					
08022600	Bayou Castor near Longstreet, LA.	Lat 32°05'35", long 93°55'15", De Soto Parish, at bridge on State Highway 3015, and 1.8 mi (2.9 km) east of Longstreet.	27.7	1954-68, 1974-81	6- 5-81	15.27	(8)
08022680	Bushneck Bayou tributrary near Keatchie, LA (station discontinued).	Lat 32°10'30", long 93°58'00", De Soto Parish, at culvert on State Highway 172, 0.8 mi (1.3 km) upstream from Bushneck Bayou, and 3.7 (6.0 km) west of Keatchie.	1.21	1977-81	1981	<6.84	(8)
08022750	Bayou Castor tributary near Logansport, LA (station discontinued).	Lat 32°01'55", long 93°58'35", De Soto Parish, at culvert on State Highway 5, 1.5 mi (2.4 km) upstream from mouth, and 4.2 mi (6.8 km) northeast of Logansport.	1.10	1977-81	6- 5-81	7.34	(8)
08023270	Bull Bayou near Hunter, LA.	Lat 31°53'10", long 93°50'30", De Soto Parish, at bridge on State Highway 174, 1.1 mi (1.8 km) southeast of Hunter, and 3.2 mi (5.1 km) upstream from mouth.	8.54	1965-81	1981	<8.96	(8)
08023424	Bayou San Patricio tributary No. 2 near Converse, LA (station discontinued).	Lat 31°49'40", long 93°41'00", Sabine Parish, at culvert on U.S. Highway 171, 0.9 mi (1.4 km) upstream from mouth, and 3.3 mi (5.3 km) north of Converse.	.89	1975-81	9-14-81	6.13	(8)
08023640	Bayou San Miguel tributary near Pleasant Hill, LA (station discontinued).	Lat 31°47'35", long 93°30'35", Sabine Parish, at culvert on State Highway 175, 1.9 mi (3.1 km) south of Pleasant Hill, and 3.7 mi (6.0 km) upstream from mouth.	.22	1977-81	1981	<4.88	(8)
08024030	Bayou Scie at Zwolle, LA.	Lat 31°37'45", long 93°37'40" Sabine Parish, at bridge on U.S. Highway 171, and 1.0 mi (1.6 km) east of Zwolle.	45.9	1951-68, 1975-81	6- 5-81	10.50	(8)
08024060	Blackwell Creek at Many, LA.	Lat 31°34'50", long 93°27'45", Sabine Parish, at bridge on State Highway 6, 0.2 mi (0.3 km) northeast of Many, and 0.8 mi (1.3 km) upstream from mouth.	3.16	1960-68c, 1969-81	1981	<9.58	(8)
08025850	Pearl Creek at State Highway 111, at Burr Ferry, LA.	Lat 31°04'32", long 93°29'22", Vernon Parish, at bridge 0.8 mi (1.3 km) northeast of Burr Ferry.	9.66	1966-81	3- 5-81	4.75	(8)
08026200	Red Bank Creek at Evans, LA.	Lat 30°59'30", long 93°29'55", Vernon Parish, at bridge on State Highway 111, 0.4 mi (0.6 km) northeast of Evans, and 2.8 mi (4.5 km) upstream from mouth.	17.2	1966-81	3- 5-81	12.38	(8)
08026700	West Anacoco Creek near Hornbeck, LA.	Lat 31°18'00", long 93°22'10", Vernon Parish, at bridge on U.S. Highway 171, and 2.5 mi (4.0 km) southeast of Hornbeck.	22.2	1951-68, 1974-81	6- 5-81	11.02	(8)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
Sabine River basin--Continued							
08027550	Prairie Creek near Leesville, LA.	Lat 31°10'40", long 93°16'30", Vernon Parish, at bridge on U.S. Highway 171, and 2.5 mi (4.0 km) northwest of Leesville.	40.0	1949-68, 1974-81	6- 5-81	42.13	(#)
08029700	Brushy Creek at Bancroft, LA.	Lat 30°33'35", long 93°40'49", Beauregard Parish, at bridge on State Highway 389, and 0.8 mi (1.3 km) south of Bancroft.	25.9	1954-68, 1975-81	3- 5-81	12.71	(#)

* Approximately.
# Discharge not determined.
< Less than amount shown.
a Not previously published.
b Elevation; National Geodetic Vertical Datum of 1929.
c Operated as a continuous-record gaging station.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

The following table contains annual maximum elevation for flood-profile stations. A flood-profile gage is a device which will register the peak elevation occurring between inspections. The date of the maximum elevation is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Where two or more sites on the same stream have annual peaks caused by different floods, all floods are listed for each site. The years given in the period of record represent water years for which the annual maximum has been determined.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Flood peak Date	Flood peak Elevation, in feet (NGVD)
		Red River basin				
07349365	Macks Bayou at Bossier City, LA.	Lat 32°31'59", long 93°40'24", Caddo Parish, at bridge on U.S. Highway 80 3.3 mi (5.3 km) northeast of Bossier City Post Office.	(0)	1963-81	1981	<158.01
07349400	Flat River near Elm Grove, LA.	Lat 32°19'45", long 93°31'20", Bossier Parish at bridge on State Highway 157, and 2.2 mi (3.5 km) southeast of Elm Grove.	112	1960-81	1981	<140.00
07349590	Ivan Lake near Cotton Valley, LA.	Lat 32°49'45", long 93°29'20", Bossier Parish, at bridge 100 ft above dam, and 4.0 mi (6.4 km) west of Cotton Valley.	37.0	1960-65a, 1966-81	6- 6-81	203.69
07349900	Swan Lake near Elm Grove, LA.	Lat 32°16'55", long 93°27'05", Bossier Parish, at bridge on unnumbered parish road, 7.5 mi (12.1 km) southeast of Elm Grove.	1,020	1961-81	1981	<130.79
07350300	Coushatta Bayou near Crichton, LA.	Lat 32°07'10", long 93°24'10", Red River Parish, at bridge on State Highway 515, 1.8 mi (2.9 km) east of Crichton.	15.9	1980-81	1981	<120.40
07350700	Bayou Pierre at Shreveport, LA.	Lat 30°27'20", long 93°44'05", Caddo Parish, at bridge on Pierremont Road, 3.4 mi (5.7 km) southeast of Shreveport city hall.	(0)	1960-81	1981	<152.36
07350820	Sand Beach Bayou at Shreveport, LA.	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, 4.3 mi (6.9 km) southeast of Shreveport city hall.	(0)	1963-64, 1965-81	1981	<42.60
07351200	Brush Bayou at Shreveport, LA.	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Railway bridge, 4.9 mi (7.9 km) southwest of Shreveport city hall.	3.4	1960-81	5- 9-81	185.83
07352150	Saline Lake near Clarence, LA.	Lat 31°51'10", long 92°56'10", Natchitoches-Winn Parish line, 100 ft (30.5 m) left of spillway, and 5.9 mi (9.5 km) northeast of Clarence.	(b)	1960-81	1981	<106.40
07352410	Kepler Lake near Castor, LA.	Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, 5.0 mi (8.0 km) north of Castor.	46.2	1960-65a, 1966-81	5-26-81	177.30
07352900	Saline Bayou at Allen Dam, near Clarence, LA.	Lat 31°51'05", long 92°56'45", Natchitoches Parish, on right bank upstream wing wall of spillway, and 5.3 mi (8.5 km) northeast of Clarence.	(b)	1960-81	4-17-81	103.60
07354740	Old River at Montrose, LA.	Lat 31°34'25", long 92°59'40", Natchitoches Parish, at bridge on State Highway 1, and at Montrose.	471	1960-65a, 1966-81	1981	<94.94

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
		Red River basin--Continued				
07354780	Cane River near Cloutierville, LA.	Lat 31°33'15", long 92°53'20", Natchitoches Parish, on left bank at south end of drainage canal and floodgates on State Highway 495, and 2.2 mi (3.5 km) northeast of Cloutierville.	582	1960-81	1981	<94.94
07355400	Bayou Marteau near Rock Hill, LA.	Lat 31°25'30", long 92°35'50", Grant Parish, at bridge on unnumbered parish road, 2.2 mi (3.5 km) southwest of Rock Hill, and 5.0 mi (8.0 km) northeast of Boyce.	(a)	1960-81	3- 4-81	77.84
07355475	Bayou Rapides near Alexandria, LA.	Lat 31°18'43", long 92°33'30", Rapides Parish, at bridge on parish road, 12.2 mi (19.6 km) upstream from Red River, and 6.9 mi (11.1 km) west of Alexandria city hall.	(a)	1963-64, 1967-81	1981	<81.51
07355490	Bayou Rapides at control structure at Alexandria, LA.	Lat 31°17'59", long 92°29'42", Rapides Parish, 100 ft (30 m) north of State Highway 496, and 3.1 mi (5.0 km) west of Alexandria city hall.	(c)	1963-81	1981	<73.91
07366270	Bayou D'Arbonne Lake west of Farmerville, LA.	Lat 32°47'07", long 92°27'25", Union Parish, on downstream side of bridge on State Highway 2, 3.1 mi (5.0 km) west of Farmerville.	(c)	1979-81	6- 9-81	30.43
07366365	Bayou D'Arbonne below dam near Downsville, LA.	Lat 32°42'46", long 92°20'26", Union Parish, on downstream side of dam at left end, 7.4 mi (11.9 km) northeast of Downsville.	1,607	1970-81	1981	<66.06
07367030	Black Bayou at West Monroe, LA.	Lat 32°29'55", long 92°08'30", Ouachita Parish, on downstream side of bridge at Interstate 20-State Highway 34 exit in West Monroe.	(a)	1970-81	10-27-81	34.21
07367500	Cheniere Brake near Bawcomville, LA.	Lat 32°27'10", long 92°11'29", Ouachita Parish, on downstream side of bridge on State Highway 3033, 1.5 mi (2.4 km) southwest of Bawcomville.	147	1944-45d, 1970-81	1981	<37.99
07368502	Cheniere Creek south of Bawcomville, LA.	Lat 32°26'22", long 92°10'20", Ouachita Parish, on downstream side of bridge on State Highway 34, 1.5 mi (2.4 km) south of Bawcomville.	(a)	1970-81	1981	<29.17
07368810	Bayou Galion west of Oak Ridge, LA.	Lat 32°37'35", long 91°50'19", Morehouse Parish, on downstream side of bridge on State Highway 134, 3.7 mi (6.0 km) west of Oak Ridge.	(a)	1979-81	3- 5-81	40.05
07369016	Youngs Bayou at Monroe, LA.	Lat 32°29'37", long 92°04'56" Ouachita Parish, at bridge on service road of U.S. Highway 165, 0.5 mi (0.8 km) south of junction with Interstate 20 at Monroe.	(a)	1970-81	10-27-81	41.87
07369024	Youngs Bayou near Monroe, LA.	Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, 3.1 mi (5.0 km) southeast of Monroe.	(a)	1970-81	10-27-81	38.77
07369195	Turkey Creek near Baskin, LA.	Lat 32°14'50", long 91°40'45", Franklin Parish, at bridge on State Highway 577, 3.7 mi (6.0 km) east of Baskin.	(a)	1970-81	3-4-81	44.82

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
		Red River basin--Continued				
07369205	Turkey Creek at State Highway 15, at Winnsboro, LA.	Lat 32°09'15", long 91°42'42", Franklin Parish, at bridge on State Highway 15, inside city limits of Winnsboro.	(*)	1975-80d, 1981	1981	<56.23
07369253	Turkey Creek at Jigger, LA.	Lat 32°02'05", long 91°44'06", Franklin Parish, at bridge on State Highway 128, 0.7 mi (1.1 km) east of Jigger.	62.0	1975-78a, 1980-81	1981	<35.78
07369300	Deer Creek near Wisner, LA.	Lat 31°57'00", long 91°39'15", Franklin Parish, at bridge on State Highway 15, 2.0 mi (3.2 km) south of Wisner.	27.1	1978-81	3- 4-81	37.99
07369325	Rawson Creek near Harrisonburg, LA	Lat 31°49'41", long 91°48'54", Catahoula Parish, at bridge on State Highway 124, 4.2 mi (6.8 km) north of Harrisonburg.	(*)	1978-81	1981	<34.81
07369365	Bushley Bayou near Harrisonburg, LA.	Lat 31°44'36", long 91°49'41", Catahoula Parish, at bridge on State Highway 124, 2.2 mi (3.5 km) south of Harrisonburg.	(*)	1978-80d, 1981	1981	<50.15
07369455	Brushy Bayou at Tallulah, LA.	Lat 32°23'52", long 91°11'57", Madison Parish, at bridge on U.S. Highway 65, and at Tallulah.	(*)	1975-80d, 1981	2- 1-81	73.02
07369457	Lower Roundaway Bayou tributary near Tallulah, LA.	Lat 32°22'33", long 91°11'57", Madison Parish, near center of bridge on U.S. Highway 65, 1.5 mi (2.4 km) south of Tallulah.	(*)	1975-80d, 1981	6- 1-81	69.56
07369460	Roundaway Bayou near Tallulah, LA.	Lat 32°23'09", long 91°12'30", Madison Parish, at bridge on State Highway 603, 1.5 mi (2.4 km) southwest of Tallulah.	28	1954-59a, 1978-81	1981	<31.47
07369468	Panola Bayou at Tallulah, LA.	Lat 32°25'02", long 91°12'24", Madison Parish, at bridge on U.S. Highway 80, and 0.2 mi (0.3 km) northeast of Tallulah.	(*)	1978-80d, 1981	2- 1-81	71.90
07371600	Dugdemona River near Dodson, LA.	Lat 32°07'22", long 92°48'24", Winn Parish, at bridge on State Highway 126, and 9.1 mi (14.6 km) northwest of Dodson.	412	1959-81	6-11-81	18.99
07373282.3	Bayou Cocodrie at Ferriday, LA.	Lat 31°37'33", long 91°34'37", Concordia Parish, at culvert on U.S. Highway 84, 1.5 mi (2.4 km) southwest of Ferriday Post Office.	(c)	1978-81	1981	<21.76
07373283.2	Black River Lake at Monterey, LA.	Lat 31°26'39", long 91°43'10", Concordia Parish, on left bank 0.1 mi (0.2 km) west of State Highway 129, 0.7 mi (1.1 km) south of Monterey, and 1.1 mi (1.8 km) south of Monterey High School.	(*)	1978-81	1981	<16.50
		Mississippi River Delta				
07382256	Bayou Rapides-Boeuf-Cocodrie diversion channel at Alexandria, LA.	Lat 30°17'43", long 92°29'38", Rapides Parish, at bridge on State Highway 28, 3.2 mi (5.1 km) west of Alexandria city hall.	(c)	1963-81	1981	<72.38

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
		Mississippi River Delta--Continued				
07382257	Bayou Rapides-Boeuf-Cocodrie diversion channel at State Highway 488, near Alexandria, LA.	Lat 31°15'37", long 92°31'13", Rapides Parish, at bridge 5.7 mi (9.2 km) southwest of of Alexandria city hall.	(c)	1963-81	1981	<67.31
07382258	Bayou Rapides-Boeuf-Cocodrie diversion channel at U.S. Highway 165, near Alexandria, LA.	Lat 31°13'39", long 92°29'49", Rapides Parish, at bridge 6.5 mi (10.5 km) southwest of Alexandria city hall.	(c)	1963-81	1981	<69.22
07382700	Bayou Carron at Washington, LA.	Lat 30°36'55", long 92°03'50", St. Landry Parish, at bridge on State Highway 10, at southwestern edge of Washington.	82.6	1973-81	6- 7-81	44.55
07382840	Hynson Bayou at Bringhurst Park, at Alexandria, LA.	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, 1.7 mi (2.7 km) south of Alexandria city hall.	(#)	1963-81	1981	<75.30
07382850	Horseshoe Drainage Canal at Packing House Road, at Alexandria, LA.	Lat 31°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 mi (4.2 km) south of Alexandria city hall.	(#)	1960-81	6- 6-81	67.45
07382855	Hynson Bayou at Midway St., at Alexandria, LA.	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 mi (5.0 km) southeast of Alexandria city hall.	(#)	1963-81	6- 6-81	67.45
07382865	Persimmon Bayou near Alexandria, LA.	Lat 31°13'45", long 92°22'51", Rapides Parish, at Texas and Pacific Railway bridge, just downstream from State Highway 1, and 6.7 mi (10.8 km) southeast of Alexandria city hall.	(#)	1963-81	6- 6-81	65.35
07383000	Chatlin Lake Canal near LeCompte, LA (station discontinued).	Lat 31°07'10", long 92°20'40", Rapides Parish, at bridge on State Highway 457, and 3.7 mi (6.0 km) northeast of LeCompte.	75.9	1943-58d, 1960, 1962-81	1981	<56.95
		Calcasieu River basin				
08012600	Calcasieu River near Slagle, LA.	Lat 31°13'30", long 93°06'05", Vernon Parish, at bridge on State Highway 8, and 2.2 mi (3.5 km) northeast of Slagle.	48.1	1959-81	6- 5-81	*13.17
		Sabine River basin				
08025700	Sandy Creek near Burr Ferry, LA.	Lat 31°08'30", long 93°31'10", Vernon Parish, at Bridge on State Highway 111, 5.3 mi (8.5 km) northeast of Burr Ferry.	33.7	1964-81	1981	<108.18

Drainage area not determined.
* Gage datum, NGVD of gage not determined.
< Less than amount shown.
a Operated as a crest-stage partial-record station.
b Combined drainage area for stations 07352150 and 07352900, 1,325 sq mi.
c Drainage area indeterminate.
d Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1981

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Red River basin				
Bodcau Bayou	Red Chute Bayou	Lat 33°00'25", long 93°31'00", Bossier-Webster Parish line, on State Highway 157, and 3.6 mi (5.8 km) west of Springhill, LA.	(‡)	---	6-30-81 8-26-81	103 38.0
Little Sandy Creek	Kisatchie Bayou	Lat 31°24'30", long 93°10'15", Natchitoches Parish, at bridge on State Highway 117, 0.5 mi (0.8 km) south of Kisatchie, and 2.0 mi (3.2 km) upstream from mouth.	21.4	1949-79	10-10-80	*.77
Bayou Darbonne	Ouachita River	Lat 32°41'23", long 92°14'38", Union Parish, 2.5 mi (4.0 km) northwest of Rocky Branch, and 2.8 mi (4.5 km) upstream from Lick Creek, LA.	(‡)	---	4-28-81 8- 4-81 8-12-81	221 0 0
Muddy Creek	Black Lake Bayou	Lat 32°13'29", long 92°52'49", Bienville Parish, at bridge on State Highway 4, 0.2 mi (0.3 km) north of Friendship, and 2.3 mi (3.7 km) northwest of Danville, LA.	--	1977-80	12-22-80	*.18
Dugdemona River	Little River	Lat 32°07'22", long 92°40'24", Winn Parish, at bridge on State Highway 126, and 9.1 mi (14.6 km) northwest of Dodson, LA.	412	1959-81a	4-28-81 6- 2-81 7-24-81	128 60 16.5
...Do.......	......do.....	Lat 31°58'30", long 92°39'10", Winn Parish, at bridge on U.S. Highway 167, and 3.5 mi (5.6 km) north of Winnfield, LA.	654	1939-81b,	6- 2-81 7-21-81 8-27-81	93.4 14.3 12.0
		Calcasieu River basin				
Ploctaw Creek	Calcasieu River	Lat 31°10'55", long 92°59'45", Vernon Parish, at bridge on State Highway 28, 1.2 mi (1.9 km) downstream from Brushy Creek, and 5.0 mi (8.0 km) northwest of Lacamp, LA.	18.7	1951,1954, 1957-58, 1964-68, 1973,1975, 1977,1979	10-10-80	.01
Drakes Creek	Whisky Chitto Creek	Lat 30°57'45", long 93°08'15", Vernon Parish, at bridge on State Highway 10, 0.1 mi (0.2 km) upstream from Clear Branch, and 12.5 mi (20.1 km) west of Pitkin, LA.	22.1	1954,1955, 1959, 1964-68, 1971,1973, 1975,1977, 1979	10-10-80	*2.42
		Sabine River basin				
Bayou Anacoco	Sabine River	Lat 30°54'15", long 93°23'44", Vernon Parish, at bridge on unnumbered parish road, 0.8 mi (1.3 km) downstream from Clear Creek, and 7.5 mi (12.1 km) northwest of De Ridder, LA.	--	1969, 1979-80	10-30-80	79.1

‡ Drainage area not determined.
* Base flow.
a Operated as a flood-profile partial-record station.
b Operated as a continuous-record gaging station.

Whisky Chitto Creek seepage investigation

During the period Jan. 15-19, 1981, a series of related discharge measurements were made in the Whisky Chitto Creek basin, beginning with Whisky Chitto Creek at Fort Polk and ending with Tenmile Creek northeast of Oberlin. The investigations were made during a period of low flow to obtain information on gains and losses within the reach.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Whisky Chitto Creek	Calcasieu River	Lat 31°04'55", long 95°08'50", Vernon Parish, at bridge on Mill Creek Road, 300 ft (91 m) up stream from unnamed tributary, and 7.2 mi (11.6 km) northeast of main entrance gate to Fort Polk.	5.80	1956-57, 1959-60, 1962-68a	1-16-81	1.35
...Do........	......do......	Lat 31°00'33", long 93°04'49", Vernon Parish, at bridge on Lookout Road, 1.7 mi (2.7 km) downstream from Big Branch, and 9.7 mi (15.6 km) southeast of main entrance gate to Fort Polk.	(0)	---	1-16-81	8.46
Birds Creek	Whisky Chitto Creek	Lat 31°07'08", long 93°06'18", Vernon Parish, at bridge on Artillery Road, 1.9 mi (3.1 km) upstream from Calhoun Branch, and 6.3 mi (10.1 km) east of main entrance gate to North Fort Polk.	(0)	---	1-16-81	.17
...Do......	......do......	Lat 31°03'53", long 93°04'42", Vernon Parish, at bridge on Holly Springs Road, 3.0 mi 4.8 km) downstream from Calhoun Branch, and 12.2 mi (19.6 km) northeast of main entrance gate to Fort Polk.	(0)	---	1-16-81	4.07
...Do......	......do......	Lat 31°01'15", long 93°03'15", Vernon Parish, at bridge on Lookout Road, 0.5 mi (0.8 km) downstream from unnamed tributary, and 4.0 mi (6.4 km) north of Cravens.	22.0	1956-63a	1-16-81	7.04
...Do......	......do......	Lat 30°59'40", long 93°03'10", Vernon Parish, at bridge on unnumbered parish road, 0.8 mi (1.3 km) upstream from mouth, and 2.3 mi (3.7 km) north of Cravens.	(0)	---	1-16-81	7.13
Whisky Chitto Creek	Calcasieu River	Lat 30°57'53", long 93°03'17", Vernon Parish, at bridge on State Highway 10, 0.7 mi (1.1 km) upstream from Maple Branch, and 7.6 mi (12.2 km) west of Pitkin.	(0)	---	1-16-81	16.1
Drakes Creek	Whisky Chitto Creek	Lat 31°00'53", long 93°09'24", Vernon Parish, at bridge on Military Road, 0.1 mi (0.2 km) downstream from unnamed tributary, 5.0 mi (8.0 km) southeast of main entrance gate to Fort Polk.	(0)	---	1-16-81	2.81
...Do......	......do......	Lat 30°58'53", long 93°08'46", Vernon Parish, at bridge on unnumbered parish road, 0.2 mi (0.3 km) upstream from Tighteye Creek, and 9.6 mi (15.4 km) southwest of Pickering.	(0)	---	1-16-81	4.59
Tighteye Creek	Drakes Creek	Lat 30°58'54", long 93°08'52", Vernon Parish, at bridge on unnumbered parish road, 0.3 mi (0.5 km) upstream from mouth, and 9.5 mi (15.3 km) southwest of Pickering.	(0)	---	1-16-81	.53

See footnotes at end of the table.

Whisky Chitto Creek seepage investigation--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Drakes Creek	Whisky Chitto Creek	Lat 30°57'45", long 93°08'15", Vernon Parish, at bridge on State Highway 10, 0.1 mi (0.2 km) upstream from Clear Branch, and 12.5 mi (20.1 km) west of Pitkin.	22.1	1954-68b, 1964-68a, 1970,1973c, 1975-81b	1-16-81	5.69
...Do......	......do......	Lat 30°56'47", long 93°06'42", Vernon Parish, at bridge on unnumbered road, 0.5 mi (0.8 km) upstream from Tiger Creek, and 11.3 mi (18.2 km) west of Pitkin.	(#)	---	1-16-81	6.22
...Do......	......do......	Lat 30°55'06", long 93°04'48", Vernon Parish, at bridge on unnumbered parish road, 0.3 mi (0.5 km) upstream from mouth, and 11.6 mi (18.7 km) west of Pitkin.	(#)	---	1-16-81	12.0
Whisky Chitto	Calcasieu River	Lat 30°51'50", long 93°04'25", Beauregard Parish, at bridge on State Highway 112, 0.3 mi (0.5 km) upstream from Hog Branch, and 3.9 mi (6.3 km) northwest of Sugartown.	128	1964-68a	1-19-81	35.8
...Do......	......do......	Lat 30°47'33", long 93°00'51", Beauregard Parish, at bridge on State Highway 113, 0.1 mi (0.2 km) downstream from Hargrores Branch, and 3.1 mi (5.0 km) south of Sugartown.	(#)	---	1-19-81	49.6
Sixmile Creek	Whisky Chitto	Lat 30°54'18", long 92°53'38", Vernon Parish, at bridge on unnumbered parish road, 0.1 mi (0.2 km) downstream from Big Brushy Creek, and 4.0 mi (6.4 km) southeast of Pitkin.	(#)	---	1-15-81	45.8
...Do......	......do......	Lat 30°52'10", long 92°55'30", Vernon Parish, at bridge on unnumbered parish road, 0.1 mi (0.2 km) downstream from Gaskins Branch, and 5.1 mi (8.2 km) southeast of Pitkin.	(#)	---	1-15-81	51.5
...Do......	......do......	Lat 30°48'52", long 92°55'34", Allen Parish, at bridge on State Highway 10, 5.5 mi (8.8 km) east of Sugartown, and 6.6 mi (10.6 km) upstream from mouth.	171	1957-65d, 1966-81b	1-15-81	66.1
...Do......	......do......	Lat 30°46'03", long 92°55'11", Allen Parish, at bridge on unnumbered parish road, 0.9 mi (1.4 km) upstream from mouth, and 11.4 mi (18.3 km) southwest of Elizabeth.	(#)	---	1-15-81	77.6
Tenmile Creek	......do......	Lat 30°53'22", long 92°49'48", Vernon Parish, at bridge on State Highway 10, 1.7 mi (2.7 km) downstream from Steep Gully, and 3.0 mi (4.8 km) northwest of Elizabeth.	(#)	---	1-15-81	11.8
...Do......	......do......	Lat 30°50'11", long 92°52'26", Allen Parish, at bridge on State Highway 112, 0.3 mi (0.5 km) downstream from Carter Branch, and 5.3 mi (8.5 km) southwest of Elizabeth.	94.2	1950-65d, 1966-81b	1-15-81	18.8

See footnotes at end of the table.

Whisky Chitto Creek seepage investigation--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Tenmile Creek	Whisky Chitto Creek	Lat 30°47'01", long 92°52'33", Allen Parish, at bridge on unnumbered parish road, 6.9 mi (11.1 km) upstream from mouth, and 8.3 mi (13.4 km) southwest of Elizabeth.	(*)	---	1-15-81	22.6
...Do......	......do......	Lat 30°43'05", 92°52'59", Allen Parish, at bridge on unnumbered parish road, 1.1 mi (1.8 km) upstream from mouth, and 10.0 mi (16.1 km) northeast of Oberlin.	(*)	---	1-15-81	26.6

a Operated as a low-flow partial-record station.
b Operated as a crest-stage partial-record station.
c Operated as a miscellaneous-measurement site.
d Operated as continuous-record gaging station.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

310552091361200 MISSISSIPPI RIVER (COOCHIE) NEAR BLACK HAWK, LA (CE 01020)

DATE	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
03...	747000	267	539000	87
18...	530000	184	267000	87
24...	516000	168	234000	83
NOV				
16...	594000	270	433000	70
DEC				
21...	670000	212	384000	85
JAN				
12...	765000	550	1140000	93
FEB				
01...	778000	204	429000	78
15...	443000	264	316000	93
27...	479000	190	246000	87
MAR				
12...	527000	208	296000	92
APR				
04...	1280000	374	1290000	66
18...	1350000	297	1080000	72
MAY				
02...	1160000	176	551000	77
06...	996000	264	710000	77
20...	523000	282	398000	92
JUN				
02...	680000	216	397000	89
10...	693000	354	662000	93
JUL				
14...	474000	248	317000	96
AUG				
11...	324000	116	101000	93
25...	392000	168	178000	87
SEP				
08...	364000	191	188000	98

Reproduced from best available copy.

RED RIVER BASIN

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

07371515 MUDDY CREEK AT STATE HWY. 4, NEAR DANVILLE, LA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
DEC											
22...	1130	5.0	55	6.0	3.5	40	13	6	3.4	1.1	4.5
MAR											
19...	1400	--	58	6.4	11.0	120	14	3	3.1	1.5	4.3

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
DEC											
22...	2.0	7	7.4	6.9	.0	16	62	47	.66	730	1000
MAR											
19...	1.0	11	5.4	4.1	.1	11	63	41	1.1	1200	1100

RED RIVER BASIN

310400091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL ABOVE SIMMESPORT, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	STREAM-FLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
12...	14800	87	3480	99
26...	12700	187	6410	98
NOV				
09...	11200	233	7050	98
30...	72200	285	55600	94
DEC				
14...	73800	167	33300	96
JAN				
11...	68500	285	52700	98
25...	85600	618	143000	85
FEB				
08...	87000	498	117000	71
MAR				
14...	50700	160	21900	98
28...	99000	278	74300	91
APR				
11...	141000	159	60500	94
26...	162000	238	104000	85
MAY				
09...	152000	292	120000	80
23...	164000	1010	447000	67
JUN				
06...	113000	276	84200	87
20...	58500	383	60500	99
JUL				
03...	36400	326	32000	100
AUG				
01...	11700	113	3570	100
15...	8500	104	2390	98
29...	7600	103	2110	99
SEP				
12...	21200	168	9620	100
26...	12600	121	4120	99

Reproduced from best available copy.

RED RIVER BASIN

07344400 RED RIVER NEAR HOSSTON, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 21, 1980...	11.0	6.3	APR. 22.........	25.5	--
JAN. 14, 1981...	19.0	--			

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 1, 1980...	25.0	--	MAR. 23.........	11.5	--
OCT. 31.........	18.0	--	MAR. 31.........	22.0	--
DEC. 1.........	17.0	5.5	APR. 30.........	25.0	4.7
JAN. 8, 1981...	10.0	6.6	MAY 28.........	27.0	10.6
FEB. 3.........	16.5	5.3	JULY 10.........	37.0	8.0
FEB. 27.........	17.5	8.1	SEPT. 30.........	31.0	--

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 1, 1980...	27.0	10.4	MAY 28.........	29.0	13.3
NOV. 12.........	19.0	11.2	JUNE 9.........	42.0	7.8
DEC. 11.........	14.0	9.5	JUNE 15.........	32.0	--
DEC. 22.........	7.0	12.0	JUNE 26.........	33.5	--
FEB. 6, 1981...	5.5	--	JULY 2.........	35.5	--
MAR. 2.........	19.0	10.5	JULY 30.........	38.0	6.3
APR. 27.........	32.0	11.4	AUG. 20.........	32.0	--
MAY 26.........	30.0	14.6			

0734860 RED CHUTE BAYOU AT SLIGO, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 2, 1980...	26.5	9.8	MAR. 12.........	22.0	10.5
NOV. 5.........	23.5	9.2	APR. 16.........	25.0	6.3
DEC. 17.........	9.0	11.2	JUNE 4.........	35.0	4.3
FEB. 4, 1981...	10.0	12.5	JULY 17.........	41.0	--
FEB. 9.........	12.5	--			

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 1, 1980...	27.0	--	APR. 23.........	14.0	5.2
NOV. 4.........	18.5	11.4	MAY 22.........	28.0	9.3
DEC. 10.........	9.0	6.5	MAY 28.........	32.5	--
JAN. 8, 1981...	10.0	10.8	JUNE 10.........	43.0	5.6
JAN. 27.........	14.5	14.0	JULY 7.........	31.5	6.3
MAR. 19.........	15.5	9.0	AUG. 26.........	34.0	7.4

07349374 FLAT RIVER NEAR CURTIS, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 2, 1980...	28.0	8.4	MAR. 12.........	15.5	--
NOV. 5.........	22.0	6.3	APR. 15.........	27.5	11.8
DEC. 17.........	6.0	9.6	JUNE 4.........	23.5	3.2
FEB. 4, 1981...	9.5	13.2	JULY 17.........	38.0	--

07349500 BODCAU BAYOU NEAR SAREPTA, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 1, 1980...	23.0	6.8	APR. 23.........	19.0	6.2
NOV. 3.........	22.0	12.3	MAY 18.........	29.0	5.5
DEC. 10.........	11.0	8.7	JULY 9.........	38.5	5.8
JAN. 27, 1981...	15.0	12.4	AUG. 25.........	38.5	7.6
MAR. 17.........	13.5	11.8	SEPT. 28.........	32.5	--

07349795 CYPRESS BAYOU ABOVE BENTON, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
DEC. 16, 1980...	17.0	11.4	MAY 21.........	22.5	7.0
FEB. 5, 1981...	2.5	10.6	JUNE 8.........	31.0	--
MAR. 12.........	20.0	--	JULY 10.........	38.0	6.3
APR. 17.........	27.5	--	AUG. 28.........	29.0	5.4
MAY 20.........	23.5	6.0			

07351000 BOGGY BAYOU NEAR KEITHVILLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
MAY 14, 1981...	19.0	6.1	JUNE 8.........	27.5	4.8
MAY 15..........	15.5	8.5	JUNE 10.........	27.5	5.3
MAY 27..........	20.0	7.8	AUG. 21.........	23.0	8.0

07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 3, 1980...	23.0	7.5	APR. 16.........	29.4	--
NOV. 6.........	23.5	10.8	MAY 27.........	28.0	6.2
DEC. 12.........	15.0	11.0	JULY 17.........	40.0	8.2
JAN. 28, 1981...	16.5	12.1	AUG. 27.........	36.0	8.7
MAR. 23.........	17.0	--			

07352000 SALINE BAYOU NEAR LUCKY, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 2, 1980...	33.0	7.3	MAR. 19.........	17.5	9.0
NOV. 3.........	28.5	8.6	APR. 22.........	24.5	--
DEC. 23.........	20.0	12.4	MAY 27.........	27.0	--
FEB. 2, 1981...	3.0	10.5	JULY 22.........	31.0	4.8
FEB. 27.........	26.5	--	AUG. 28.........	32.0	--
MAR. 5.........	17.5	5.7	SEPT. 29.........	26.5	--

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
RED RIVER BASIN--Continued					
07352800 GRAND BAYOU NEAR COUSHATTA, LA					
NOV. 5, 1980...	24.0	5.2	APR. 15.........	24.5	2.3
DEC. 8.........	20.0	0.8	JUNE 3.........	31.5	4.2
JAN. 23. 1981...	12.0	8.0	JULY 13.........	34.0	4.7
MAR. 4.........	26.5	6.2	AUG. 28.........	27.0	--
07354100 KISATCHIE BAYOU AT LOTUS, LA					
DEC. 6, 1979a..	10.0	10.4	DEC. 5..........	14.0	10.2
JAN. 31, 1980a..	6.5	10.8	JAN. 22, 1981....	9.0	12.2
APR. 22a........	19.0	9.0	MAR. 6..........	15.0	9.5
JUNE 2a........	27.0	7.0	APR. 17..........	24.5	--
JULY 11a........	29.5	--	MAY 26..........	25.5	8.2
AUG. 25a........	30.5	--	JULY 8..........	29.0	7.8
SEPT. 22a........	28.5	7.8	AUG. 18..........	27.5	7.1
NOV. 4.........	11.0	9.7			
07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE					
NOV. 12, 1980...	20.0	9.1	JULY 27..........	36.5	--
JAN. 7, 1981...	8.0	12.1			
07364200 BAYOU BARTHOLOMEW NEAR JONES, LA					
OCT. 2, 1980...	27.0	7.0	MAR. 11.........	18.0	--
NOV. 3.........	23.0	7.6	APR. 21.........	22.0	--
NOV. 13.........	26.0	7.2	JUNE 2.........	34.0	6.6
DEC. 17.........	12.5	9.9	JULY 20.........	32.0	--
FEB. 3, 1981...	4.2	10.8	AUG. 6.........	36.0	--
FEB. 20.........	17.0	10.2			
07364890 BAYOU D'ARBONNE NEAR HICO, LA					
OCT. 1, 1980...	20.0	9.5	MAR. 16.........	20.0	--
OCT. 16.........	24.0	--	APR. 21.........	19.5	9.8
NOV. 4.........	23.0	5.0	JUNE 16.........	39.0	--
DEC. 8.........	25.0	--	JUNE 24.........	36.0	--
JAN. 23, 1981...	-0.5	10.4	JULY 23.........	31.0	2.3
FEB. 19.........	22.0	10.3	AUG. 24.........	31.0	--
07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA					
OCT. 4, 1980...	26.0	7.2	APR. 16.........	24.0	--
NOV. 4.........	22.0	9.5	JULY 13.........	26.5	4.6
DEC. 8.........	24.0	--	AUG. 25.........	33.0	--
JAN. 22, 1981...	9.5	10.7	SEPT. 28.........	25.0	--
MAR. 9.........	22.0	--			
07368000 BOEUF RIVER NEAR GIRARD, LA					
OCT. 1, 1980...	27.0	9.2	APR. 24.........	23.0	--
NOV. 6.........	30.0	6.2	JUNE 4.........	28.5	5.3
DEC. 11.........	20.0	5.4	JULY 16.........	37.5	8.7
JAN. 8, 1981...	12.0	--	AUG. 27.........	28.0	--
MAR. 12.........	17.0	--			
07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA					
OCT. 1, 1980...	23.0	9.6	MAY 5.........	23.5	--
NOV. 6.........	25.0	8.8	JUNE 4.........	31.0	7.7
DEC. 11.........	15.0	11.6	JUNE 23.........	38.0	8.2
FEB. 4, 1981...	6.0	11.2	JUNE 30.........	32.0	--
FEB. 12.........	-2.0	--	JULY 13.........	40.5	8.1
MAR. 12.........	14.0	--	AUG. 27.........	28.0	--
APR. 24.........	24.0	--	SEPT. 29.........	29.0	--
07369500 TENSAS RIVER AT TENDAL, LA					
OCT. 3, 1980...	26.0	--	APR. 20.........	29.0	--
NOV. 5.........	22.0	6.4	JUNE 12.........	32.0	4.6
DEC. 12.........	--	6.6	JULY 15.........	36.5	8.7
JAN. 28, 1981...	16.0	11.2	SEPT. 3.........	27.5	--
07369700 BAYOU MACON NEAR KILBOURNE, LA					
NOV. 10, 1980...	19.0	7.0	MAY 7.........	20.5	--
DEC. 16.........	16.0	10.8	JUNE 3.........	28.5	6.3
JAN. 19, 1981...	18.0	11.0	JULY 21.........	25.0	--

a Not previously published.

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
RED RIVER BASIN--Continued					
07370000 BAYOU MACON NEAR DELHI, LA					
OCT. 3, 1980...	20.0	7.4	MAY 5..........	26.0	--
OCT. 31..........	17.0	--	JUNE 3..........	28.5	6.8
DEC. 2..........	17.0	--	JULY 15..........	35.0	5.6
JAN. 13, 1981...	5.0	14.2	AUG. 28..........	29.5	--
MAR. 17..........	23.0	--	SEPT. 30..........	30.0	--
APR. 12..........	28.0	--			
07371500 DUGDEMONA RIVER NEAR JONESBORO, LA					
OCT. 1, 1980...	27.0	5.1	APR. 22..........	24.0	--
NOV. 3..........	24.0	7.1	MAY 27..........	31.0	--
DEC. 5..........	18.0	5.8	JULY 10..........	35.0	1.5
JAN. 19, 1981...	5.0	5.0	AUG. 26..........	34.0	--
MAR. 5..........	15.5	6.5	SEPT. 29..........	30.0	--
07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA					
OCT. 1, 1980...	33.5	--	JAN. 21, 1981...	6.0	11.0
DEC. 2..........	--	1.5	MAR. 9..........	20.0	--
07372200 LITTLE RIVER NEAR ROCHELLE, LA					
NOV. 3, 1980...	11.5	9.4	APR. 13..........	21.5	6.5
JAN. 30, 1981...	10.2	10.2	JULY 7..........	28.5	--
MAR. 3..........	16.0	8.3	AUG. 17..........	30.5	--
07373000 BIG CREEK AT POLLOCK, LA					
NOV. 3, 1980...	11.5	10.3	JUNE 5..........	23.0	--
JAN. 23, 1981...	7.0	12.4	JULY 7..........	24.0	--
MAR. 5..........	14.0	9.5	AUG. 17..........	28.0	8.1
APR. 13..........	21.0	7.4	AUG. 19..........	25.5	--
07373251 HEMPHILL CREEK AT NEBO, LA					
OCT. 5, 1978a..	20.0	--	APR. 13a.........	13.5	--
NOV. 9a.........	15.0	--	APR. 21a.........	20.5	--
DEC. 13a.........	9.5	--	MAY 29a.........	25.0	--
JAN. 31, 1979a..	7.0	--	JULY 15a.........	33.5	--
MAR. 9a.........	14.0	8.8	AUG. 18a.........	29.5	--
APR. 26a.........	20.0	--	SEPT. 23a.........	25.0	--
JUNE 6a.........	25.0	10.2	NOV. 6..........	15.0	--
JULY 17a.........	31.0	--	JAN. 11, 1981...	11.0	--
AUG. 8a.........	27.0	8.8	MAR. 3..........	14.0	--
NOV. 8a.........	12.0	--	APR. 13..........	23.5	--
DEC. 10a.........	9.5	--	JUNE 3..........	23.0	--
JAN. 22, 1980a..	14.5	--	JULY 6..........	23.5	9.1
JAN. 23a.........	10.0	11.4	AUG. 18..........	25.5	6.1
MAR. 7a.........	16.5	--			
MISSISSIPPI RIVER DELTA					
07381800 SPRING CREEK NEAR GLENMORA, LA					
NOV. 3, 1980...	15.5	8.8	APR. 16..........	20.0	--
DEC. 4..........	15.5	8.7	MAY 26..........	20.0	8.2
JAN. 16, 1981...	10.0	--	JULY 6..........	21.0	--
MAR. 3..........	15.0	10.4	AUG. 17..........	23.5	4.0
07382000 BAYOU COCODRIE NEAR CLEARWATER, LA					
NOV. 4, 1980...	16.5	7.0	APR. 17..........	25.5	5.3
DEC. 5..........	14.5	5.5	MAY 22..........	20.0	5.2
JAN. 16, 1981...	9.0	--	JULY 16..........	27.0	--
MAR. 6..........	15.5	5.2			
07382500 BAYOU COURTABLEAU AT WASHINGTON, LA					
OCT. 31, 1980...	20.5	--	MAY 6..........	20.0	--
DEC. 3..........	13.0	9.0	JUNE 15..........	28.0	6.6
JAN 21, 1981...	--	6.5	JULY 28..........	30.0	4.0
FEB. 26..........	14.5	7.5	JULY 31..........	30.0	--
MAR. 31..........	20.0	7.2	SEPT. 4..........	27.5	--
07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA					
NOV. 4, 1980...	15.0	7.3	May 22..........	21.5	6.6
JAN. 23, 1981...	7.0	10.8	JULY 2..........	28.0	--
MAR. 6..........	16.5	6.2	AUG. 20..........	28.5	--
APR. 17..........	25.5	7.6			

a Not previously published.

MISSISSIPPI RIVER DELTA--Continued

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 31, 1980...	19.0	--	APR. 8.........	21.0	6.2
NOV. 4.........	19.5	--	MAY 5.........	20.0	--
DEC. 3.........	11.0	8.3	JUNE 15.........	27.5	6.4
JAN. 21, 1981...	6.5	--	JULY 27.........	31.5	2.3
FEB. 25.........	16.0	--	SEPT. 2.........	27.0	--
MAR. 30.........	20.0	6.6			

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV 4, 1980...	818.5	6.5	MAY 6.........	20.0	--
DEC. 8.........	17.0	4.7	JUNE 17.........	30.5	--
JAN. 22, 1981...	8.5	--	JULY 29.........	27.5	3.5
FEB. 26.........	17.5	--	SEPT. 4.........	26.5	--
APR. 3.........	22.5	4.2			

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 3, 1980...	20.0	--	MAY 11.........	19.0	4.2
DEC. 8.........	18.0	5.6	JUNE 17.........	26.0	5.7
JAN. 22, 1981...	6.0	---	JULY 24.........	29.5	5.2
FEB. 26.........	17.5	--	SEPT. 4.........	26.0	--
APR. 3.........	20.5	6.8			

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 3, 1980...	13.5	9.5	MAY 26..........	21.0	5.6
DEC. 5.........	12.0	9.3	JUNE 8..........	24.0	--
JAN. 16, 1981...	9.0	--	JUNE 10..........	24.5	--
MAR. 3.........	15.0	8.8	JULY 6..........	21.5	--
APR. 16.........	21.0	--	AUG. 17..........	25.5	5.3

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 28, 1980...	17.5	9.6	JUNE 1..........	24.5	7.5
DEC. 8.........	15.0	9.5	JUNE 9..........	25.5	--
JAN. 26, 1981...	11.0	10.6	JULY 13..........	27.0	--
MAR. 2.........	16.0	7.5	AUG. 26..........	27.5	5.1
APR. 14.........	25.5	8.0			

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 28, 1980...	16.5	9.5	JUNE 1..........	24.5	6.6
DEC. 8.........	17.0	9.8	JUNE 9..........	25.5	--
JAN. 26, 1981...	12.0	10.4	JUN. 12..........	24.0	--
MAR. 3.........	15.5	9.6	JULY 13..........	27.5	7.4
APR. 14.........	22.0	9.2	AUG. 26..........	25.0	3.9

08015500 CALCASIEU RIVER NEAR KINDER, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 5, 1980...	16.5	--	MAY 12..........	21.5	7.2
DEC. 4.........	12.5	--	JUNE 19..........	26.5	--
JAN. 27, 1981...	14.0	--	JULY 23..........	28.5	--
FEB. 27.........	14.5	--	AUG. 4..........	28.0	--
APR. 1.........	21.0	6.2	SEPT. 9..........	25.0	7.6
APR. 10.........	21.5	5.8	SEPT. 15..........	24.5	--

08016400 BECKWITH CREEK NEAR DE QUINCY, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 4, 1980...	14.5	--	MAY 7..........	20.0	--
DEC. 5.........	12.5	--	JUNE 18..........	25.0	--
JAN. 29, 1981...	11.0	--	JULY 22..........	28.0	--
FEB. 27.........	16.0	--	AUG. 4..........	25.5	4.5

SABINE RIVER BASIN

08022765 BAYOU CASTOR NEAR FUNSTON, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
DEC. 11, 1980......	8.5	3.2	APR. 15............	25.0	7.2
JAN. 26, 1981......	10.0	9.4	JUNE 2............	23.0	7.0
MAR. 11............	10.5	7.2	JULY 25............	25.0	--

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
DEC. 11, 1980......	10.5	1.8	APR. 15............	25.5	6.6
JAN. 26, 1981......	10.5	6.6	JUNE 2............	24.0	4.7
MAR. 10............	14.5	6.1	JULY 15............	26.0	--

SABINE RIVER BASIN--Continued

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

DATE OF COLLECTION	TEMPERATURE	DISSILVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
JAN. 26, 1981	11.0	10.2	JUNE 2	25.0	6.8
MAR. 10	12.5	8.2	JULY 10	26.0	2.4
APR. 14	26.0	7.7			

08025500 BAYOU TORO NEAR TORO, LA

DATE OF COLLECTION	TEMPERATURE	DISSILVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 30, 1980	13.0	8.5	APR. 16	22.0	7.4
DEC. 11	15.0	9.3	JUNE 2	24.0	7.3
JAN. 28, 1981	9.0	11.6	JUNE 30	27.5	5.5
MAR. 5	14.5	8.7	AUG. 27	26.0	3.2

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA

DATE OF COLLECTION	TEMPERATURE	DISSILVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 30, 1980	11.0	10.8	APR. 15	21.5	7.5
DEC. 8	16.0	8.5	JUNE 1	25.5	6.2
JAN. 27, 1981	12.0	9.4	JULY 14	29.0	7.4
MAR. 3	16.0	9.2	AUG. 26	26.5	3.6

08028700 HOOSIER CREEK NEAR MERRYVILLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSILVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 39, 1980	14.5	8.5	APR. 16	20.0	--
DEC. 9	16.5	9.8	JUNE 2	22.0	5.4
JAN. 27, 1981	13.0	9.6	JULY 14	26.0	6.8
MAR. 4	14.0	8.3	AUG. 26	24.5	3.0
APR. 15	19.5	7.2			

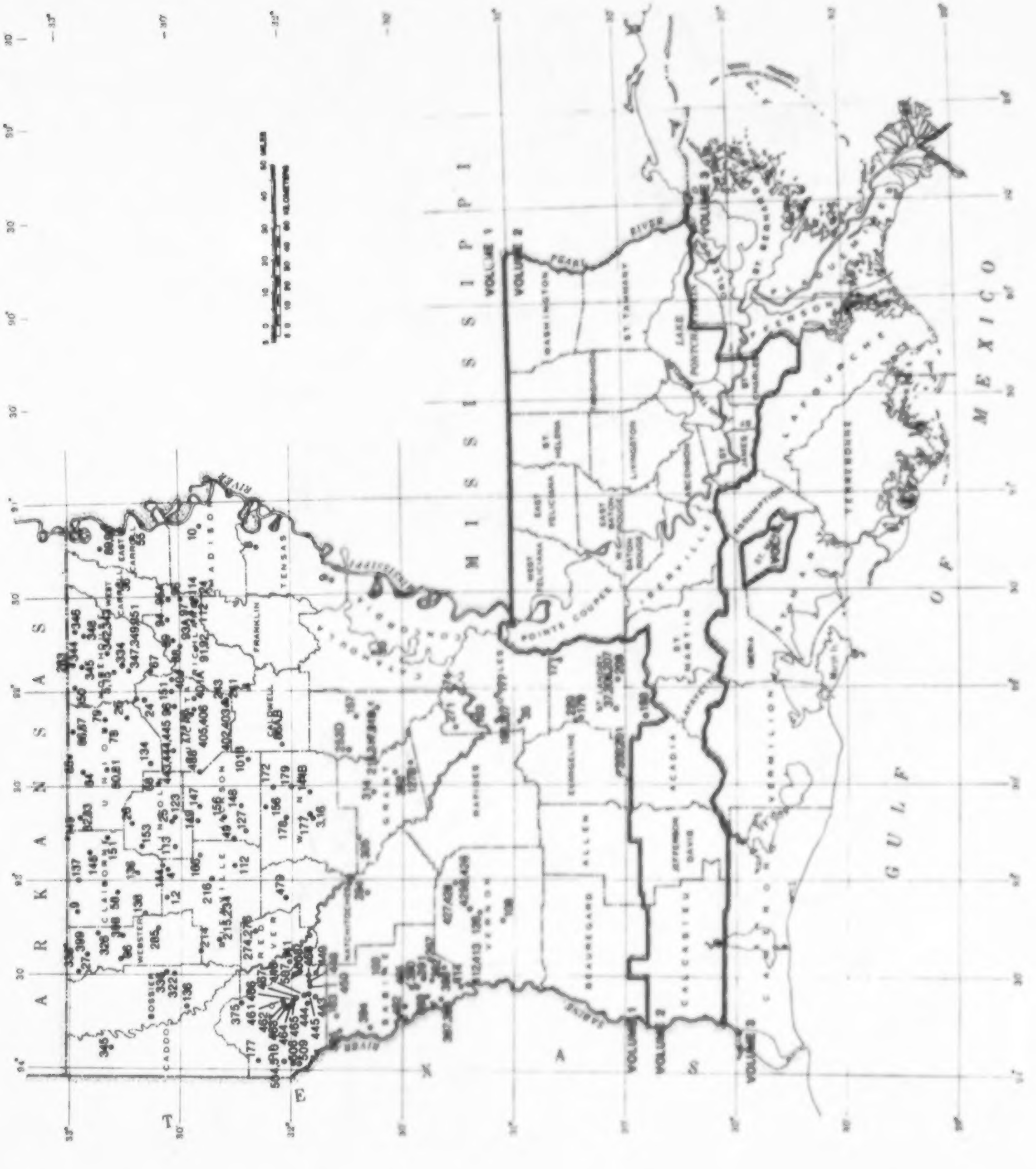

ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
VOLUME 3
LAKE PONTCHARTRAIN
PEARL RIVER
RED RIVER
SABINE RIVER
CADDO
BOSSIER
WEBSTER
CLAIBORNE
UNION
LINCOLN
OUACHITA
MOREHOUSE
WEST CARROLL
EAST CARROLL
MADISON
FRANKLIN
TENSAS
CALDWELL
JACKSON
BIENVILLE
WINN
GRANT
NATCHITOCHES
SABINE
VERNON
RAPIDES
AVOYELLES
ALLEN
BEAUREGARD
EVANGELINE
ST. LANDRY
POINTE COUPEE
WEST FELICIANA
EAST FELICIANA
ST. HELENA
WASHINGTON
ST. TAMMANY
TANGIPAHOA
LIVINGSTON
EAST BATON ROUGE
WEST BATON ROUGE
IBERVILLE
ASCENSION
ST. MARTIN
LAFAYETTE
ACADIA
JEFFERSON DAVIS
CALCASIEU
CAMERON
VERMILION
IBERIA
ST. MARY
ASSUMPTION
TERREBONNE
LAFOURCHE
ST. BERNARD
PLAQUEMINES

Figure 6.--Location of observation wells.

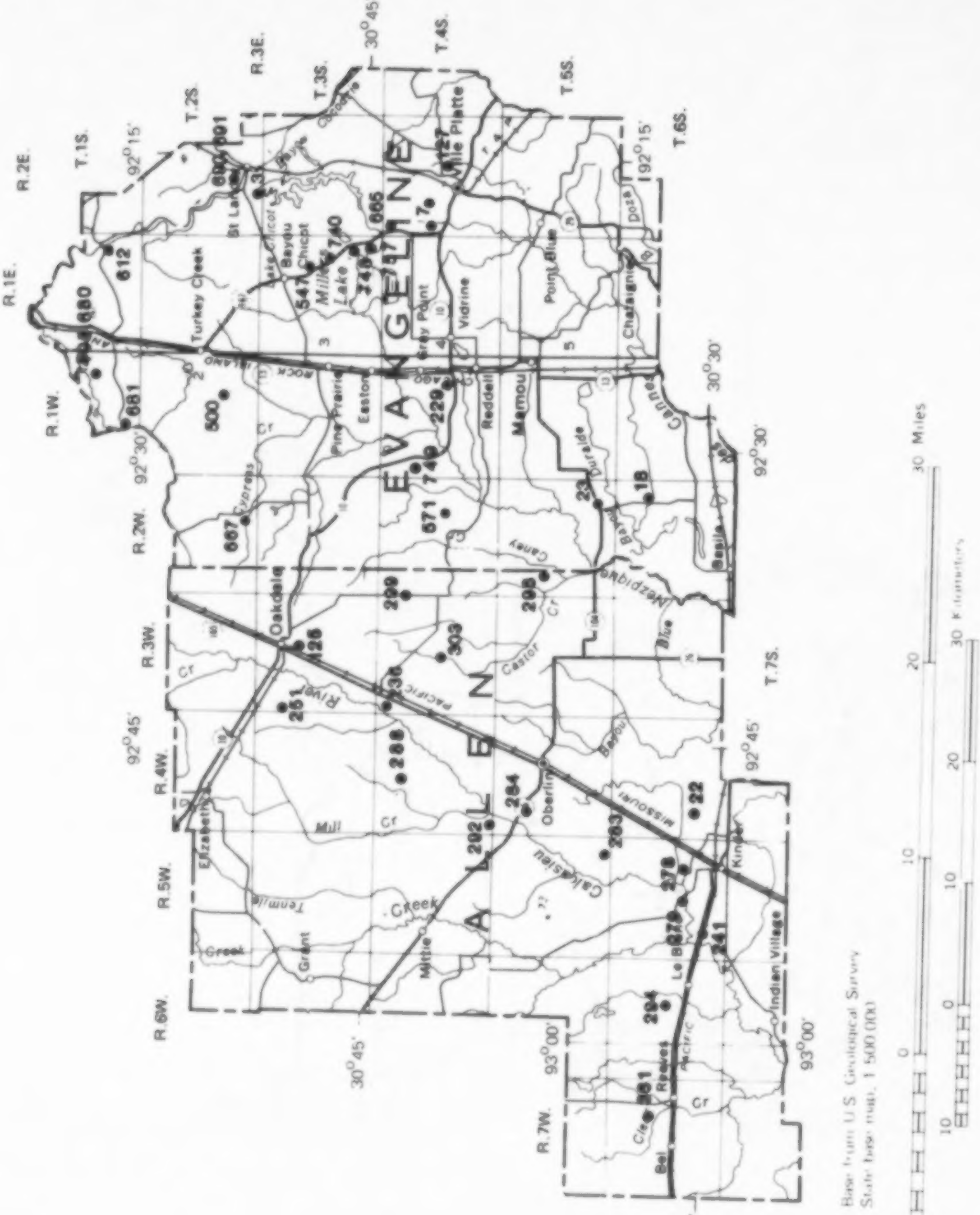
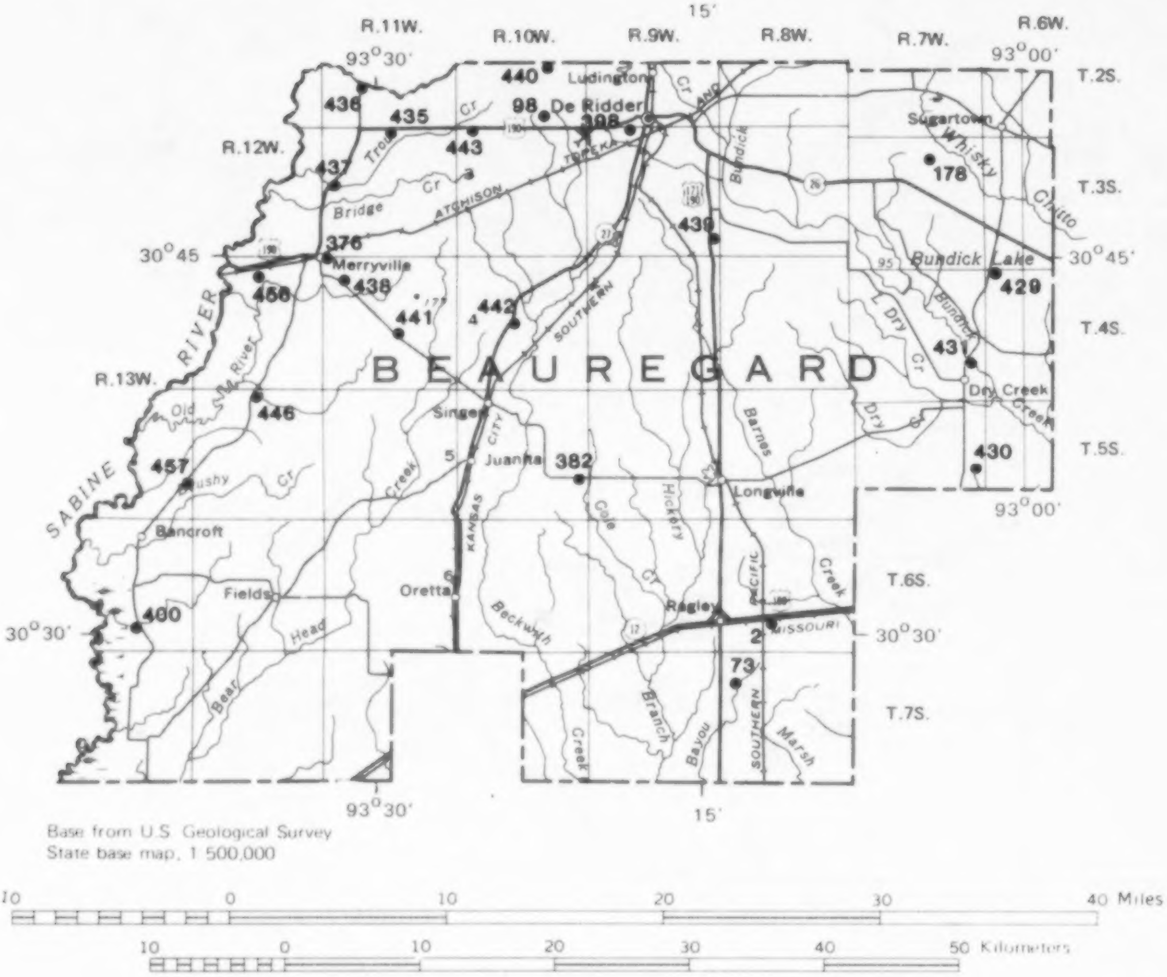
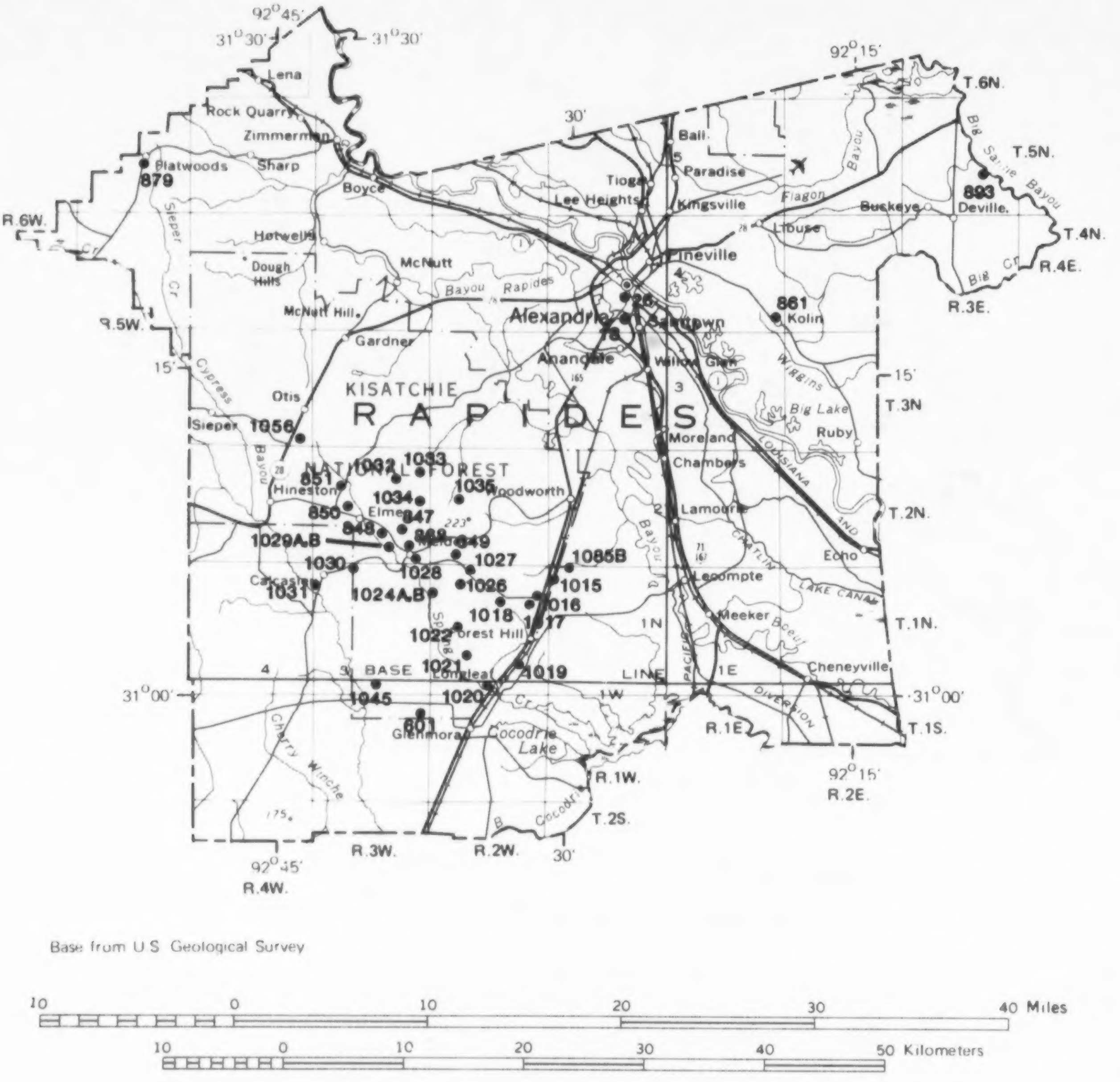

EVANGELINE
ALLEN
R.1E.
R.2E.
R.3E.
R.1W.
R.2W.
R.3W.
R.4W.
R.5W.
R.6W.
R.7W.
T.1S.
T.2S.
T.3S.
T.4S.
T.5S.
T.6S.
T.7S.
30°45'
30°30'
92°15'
92°30'
92°45'
93°00'
680
612
681
500
601
600
547
740
665
749
127
76
229
749
571
567
299
295
303
126
236
251
288
284
292
283
22
278
279
241
294
381
23
18
Turkey Creek
St Landry
Bayou Chicot
Lake Chicot
Miller Lake
Ville Platte
Vidrine
Grey Point
Easton
Pine Prairie
Reddell
Mamou
Point Blue
Chataignier
Duralde
Basile
Cypress
Oakdale
Elizabeth
Oberlin
Kinder
Mittie
Grant
Le Blanc
Reeves
Indian Village
Bel
Calcasieu
River
Mill Cr
Tenmile Creek
Castor Cr
Caney
Nezpique
Blue
Cannes
Bayou
Whiskey Chitto Cr
Missouri Pacific
Base from U.S. Geological Survey
State base map, 1:500,000
0 10 20 30 Miles
0 10 20 30 Kilometers

Figure 7.--Location of observation wells in Allen and Evangeline Parishes.


R.11W.
R.10W.
15'
R.9W.
R.8W.
R.7W.
R.6W.
93°30'
93°00'
T.2S.
R.12W.
T.3S.
T.4S.
T.5S.
T.6S.
T.7S.
R.13W.
30°45
30°45'
30°30'
30°30'
93°00'
93°30'
15'
440
Ludington
98
De Ridder
398
436
435
443
437
376
Merryville
438
456
441
442
178
Sugartown
439
429
Bundick Lake
431
Dry Creek
446
Singer
Juanita
382
430
457
Longville
Bancroft
Fields
Oretta
Ragley
460
2
73
BEAUREGARD
SABINE RIVER
Bridge Cr
Whisky Chitto
Bundick Cr
Dry Cr
Bushy Cr
Old River
Barnes Creek
Hickory
Cole Cr
Beckwith
Head
Bear
Branch
Bayou
Marsh
Creek
ATCHISON TOPEKA AND
KANSAS CITY SOUTHERN
MISSOURI PACIFIC
SOUTHERN
10 0 10 20 30 40 Miles
10 0 10 20 30 40 50 Kilometers

Base from U.S. Geological Survey
State base map, 1:500,000

Figure 8.--Location of observation wells in Beauregard Parish.



92°45'
31°30'
31°30'
92°15'
Lena
Rock Quarry
Zimmerman
Sharp
Flatwoods
879
Boyce
Hotwells
Dough Hills
McNutt
McNutt Hill
Gardner
Bayou Rapides
Ball
Paradise
Tioga
Lee Heights
Kingsville
Flagon
Bayou
Buckeye
Deville
893
Big Saline Bayou
T.6N.
T.5N.
T.4N.
R.4E.
R.3E.
Big Cr
Pineville
Alexandria
26
78
Sampstown
861
Kolin
Ananodale
Willow Glen
Wiggins
Big Lake
Ruby
T.3N
15'
KISATCHIE
RAPIDES
NATIONAL FOREST
Otis
Sieper
1056
Cypress
Bayou
R.6W.
R.5W.
15'
30'
851
1032
1033
1035
1034
Hineston
850
Elmer
847
848
869
849
1029A,B
Woodworth
223°
1030
1028
1027
1085B
1015
Calcasieu
1031
1024A,B
1026
1016
1018
1017
1022
Forest Hill
1021
Longleaf
1019
1020
1045
801
Glenmora
Moreland
Chambers
Lamourie
Lecompte
Meeker
Bayou Boeuf
Echo
Cheneyville
Catahoula Lake Canal
Louisiana and Pacific
Diversion
T.2N.
T.1N.
T.1S.
T.2S.
BASE LINE
4
3
2
1N
1E
1W
31°00'
31°00'
R.1E.
R.1W.
R.2E.
92°15'
Cherry Winche
Cocodrie Lake
Cocodrie
175
R.3W.
R.2W.
R.4W.
92°45'
30'
10 0 10 20 30 40 Miles
10 0 10 20 30 40 50 Kilometers

Base from U.S. Geological Survey

Figure 9.--Location of observation wells in Rapides Parish.

ALLEN PARISH

303039092480701 LOCAL WELL NUMBER: AL-22

OWNER: F. R. ODOM, (SEC. 20, T. 6S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 271 FT, SCREENED 206-271, MP LOWER LIP OF DISCHARGE PIPE, 3.60 FT ABOVE LSD.
LSD 48.14 FT NGVD.
HIGHEST WATER LEVEL 30.65 BELOW LSD, APR. 25, 1947.
LOWEST WATER LEVEL 54.15 BELOW LSD, MAR. 5, 1981.
RECORDS AVAILABLE 1940, 1944-72, 1974-75, 1978, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	54.15						

304825092385001 LOCAL WELL NUMBER: AL-125

OWNER: H. D. HARGROVE, (SEC. 11, T. 3S., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 114 FT, SCREENED 108-114, MP TOP OF CASING, AT LSD.
LSD 120.42 FT NGVD.
HIGHEST WATER LEVEL 30.58 BELOW LSD, JAN. 27, 1947.
LOWEST WATER LEVEL 41.20 BELOW LSD, MAY 13, 1970.
RECORDS AVAILABLE 1947-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	40.01						

304428092422201 LOCAL WELL NUMBER: AL-236

OWNER: U. S. GEOL. SURVEY, (SEC. 6, T. 4S., R. 3W.) JETTED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 77 FT, SCREENED 72-77, MP TOP OF 1 1/4-IN PIPE, 1.50 FT ABOVE LSD.
LSD 102.71 FT NGVD.
HIGHEST WATER LEVEL 34.68 BELOW LSD, AUG. 29, 1963.
LOWEST WATER LEVEL 41.79 BELOW LSD, NOV. 13, 1978.
RECORDS AVAILABLE 1954-69, 1971-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	41.44						

303004092541101 LOCAL WELL NUMBER: AL-241

OWNER: U. S. GEOL. SURVEY, (SEC. 29, T. 6S., R. 5W.) BORED OBSERVATION SEMIARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 59-62, MP TOP OF 1 1/4-IN PIPE, 4.00 FT ABOVE LSD.
LSD 42.97 FT NGVD.
HIGHEST WATER LEVEL 23.84 BELOW LSD, MAR. 21, 1961.
LOWEST WATER LEVEL 34.26 BELOW LSD, NOV. 8, 1978.
RECORDS AVAILABLE 1957-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	33.56						

304848092414801 LOCAL WELL NUMBER: AL-251

OWNER: U. S. GEOL. SURVEY, (SEC. 8, T. 3S., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 67 FT, SCREENED 64-67, MP TOP OF 1 1/4-IN PIPE, 2.00 FT ABOVE LSD.
LSD 105.79 FT NGVD.
HIGHEST WATER LEVEL 15.65 BELOW LSD, FEB. 26, 1974.
LOWEST WATER LEVEL 21.24 BELOW LSD, OCT. 26, 1965.
RECORDS AVAILABLE 1964-71, 1973-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1981	19.45						

303035092501101 LOCAL WELL NUMBER: AL-278

OWNER: SUN OIL CO. (SEC. 24, T. 6S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 160 FT, SCREENED 154-160. MP TOP OF 4-IN CASING, 2.00 FT ABOVE LSD.
LSD 45.00 FT NGVD.
HIGHEST WATER LEVEL 41.37 BELOW LSD, FEB. 28, 1974,
LOWEST WATER LEVEL 45.15 BELOW LSD, MAR. 6, 1981.
RECORDS AVAILABLE 1974-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1981	45.15						

303116092524101 LOCAL WELL NUMBER: AL-279

OWNER: BARNEY LANGLEY. (SEC. 21, T. 6S., R. 5W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM UNKNOWN, DEPTH 250 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.20 FT ABOVE LSD.
LSD 40.00 FT NGVD.
HIGHEST WATER LEVEL 24.40 BELOW LSD, FEB. 26, 1974,
LOWEST WATER LEVEL 28.90 BELOW LSD, MAR. 6, 1981.
RECORDS AVAILABLE 1974, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1974	24.40	MAR. 6, 1981	28.90				

303443092502801 LOCAL WELL NUMBER: AL-283

OWNER: LON C. ROGERS. (SEC. 36, T. 5S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 93 FT, SCREENED 87-93. MP TOP OF 2-IN WHITE PLASTIC CASING, 0.70 FT ABOVE LSD.
LSD 62.00 FT NGVD.
HIGHEST WATER LEVEL 34.80 BELOW LSD, FEB. 27, 1974,
LOWEST WATER LEVEL 40.02 BELOW LSD, NOV. 8, 1978.
RECORDS AVAILABLE 1972, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	39.62						

303813092480701 LOCAL WELL NUMBER: AL-284

OWNER: MARLER'S STORE. (SEC. 8, T. 5S., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 64 FT, SCREENED 58-64. MP TOP OF 2-IN GALV. PIPE, 2.00 FT ABOVE LSD.
LSD 68.00 FT NGVD.
HIGHEST WATER LEVEL 34.83 BELOW LSD, FEB. 27, 1974,
LOWEST WATER LEVEL 39.13 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1973-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	38.74						

304305092454601 LOCAL WELL NUMBER: AL-288

OWNER: TOMMY DOYLE. (SEC. 10, T. 4S., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 104 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN IRON PIPE, 0.50 FT ABOVE LSD.
LSD 83.00 FT NGVD.
HIGHEST WATER LEVEL 19.54 BELOW LSD, FEB. 28, 1974,
LOWEST WATER LEVEL 26.32 BELOW LSD, NOV. 17, 1976.
RECORDS AVAILABLE 1973-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	24.34						

304002092485501 LOCAL WELL NUMBER: AL-292

OWNER: U. S. GEOL. SURVEY. (SEC. 31, T. 4S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 124 FT. SCREENED 119-124. MP TOP OF 2-IN GALV. PIPE, 2.30 FT ABOVE LSD.
LSD 70.00 FT NGVD.
HIGHEST WATER LEVEL 18.27 BELOW LSD, MAR. 11, 1976.
LOWEST WATER LEVEL 23.09 BELOW LSD, NOV. 8, 1978.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	22.21						

303150092575601 LOCAL WELL NUMBER: AL-294

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 6S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 142 FT. SCREENED 137-142. MP TOP OF 2-IN GALV. PIPE, 3.50 FT ABOVE LSD.
LSD 48.00 FT NGVD.
HIGHEST WATER LEVEL 22.20 BELOW LSD, JUNE 19, 1975.
LOWEST WATER LEVEL 27.06 BELOW LSD, MAR. 5, 1981.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	27.06						

303732092355401 LOCAL WELL NUMBER: AL-298

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 5S., R. 2W) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 137 FT. SCREENED 132-137. MP TOP OF 2-IN GALV. PIPE, 3.20 FT ABOVE LSD.
LSD 52.00 FT NGVD.
HIGHEST WATER LEVEL 52.68 BELOW LSD, FEB. 3, 1975.
LOWEST WATER LEVEL 63.73 BELOW LSD, MAR. 5, 1981.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	63.73						

304354092361001 LOCAL WELL NUMBER: AL-299

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 4S., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 122 FT. SCREENED 116-122. MP TOP OF 2-IN GALV. PIPE, 1.80 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 37.94 BELOW LSD, AUG. 21, 1974.
LOWEST WATER LEVEL 39.87 BELOW LSD, MAR. 5, 1981.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	39.87						

304157092400001 LOCAL WELL NUMBER: AL-303

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 4S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 144 FT. SCREENED 139-144. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 93.00 FT NGVD.
HIGHEST WATER LEVEL 57.45 BELOW LSD, FEB. 5, 1975.
LOWEST WATER LEVEL 59.77 BELOW LSD, MAR. 5, 1981.
RECORDS AVAILABLE 1975-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1981	59.77						

ALLEN PARISH

303217093033201 LOCAL WELL NUMBER: AL-361

OWNER: SHELTON FONTENOT. (SEC. 14, T. 6S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM UNKNOWN, DEPTH 200 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 6.10 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 50.76 BELOW LSD, MAR. 6, 1981.
LOWEST WATER LEVEL 50.76 BELOW LSD, MAR. 6, 1981.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1981	50.76						

AVOYELLES PARISH

305700092102301 LOCAL WELL NUMBER: AV-35

OWNER: INTERSTATE PIPE LINE CO. (SEC. 21, T. 1S., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 8 IN, DEPTH 714 FT, SCREENED 664-714. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 64.00 FT NGVD.
HIGHEST WATER LEVEL 19.48 BELOW LSD, JUNE 18, 1962.
LOWEST WATER LEVEL 33.94 BELOW LSD, DEC. 17, 1979.
RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1980	31.39	MAR. 6, 1981	31.49	MAY 22, 1981	30.77	SEP. 17, 1981	32.40

311006092081501 LOCAL WELL NUMBER: AV-163

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 2N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 1 1/4 IN, DEPTH 300 FT, SCREENED 295-300. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 78.00 FT NGVD.
HIGHEST WATER LEVEL 23.65 BELOW LSD, APR. 15, 1975.
LOWEST WATER LEVEL 39.72 BELOW LSD, OCT. 13, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1980	38.24	MAR. 6, 1981	38.73	MAY 22, 1981	38.53	SEP. 18, 1981	39.27

310339092101501 LOCAL WELL NUMBER: AV-166

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 10 IN, DEPTH 370 FT, SCREENED 320-370. MP TOP OF BREATHER PIPE, 2.00 FT ABOVE LSD.
LSD 76.00 FT NGVD.
HIGHEST WATER LEVEL 36.34 BELOW LSD, MAY 12, 1966.
LOWEST WATER LEVEL 90.44 BELOW LSD, DEC. 15, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1980	90.44A	MAR. 6, 1981	84.86A	MAY 22, 1981	51.70	SEP. 18, 1981	83.19A

310453092022902 LOCAL WELL NUMBER: AV-177

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 1 1/4 IN, DEPTH 360 FT, SCREENED 350-360. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 34.30 BELOW LSD, APR. 15, 1975.
LOWEST WATER LEVEL 40.59 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1980	39.67	MAR. 6, 1981	39.63	MAY 22, 1981	39.49	SEP. 18, 1981	40.59

See footnotes at end of table.

AVOYELLES PARISH

311336092095901 LOCAL WELL NUMBER: AV-271

OWNER: U. S. GEOL. SURVEY. (SEC. 38, T. 3N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 370 FT, SCREENED 365-370. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 55.05 BELOW LSD, JULY 18, 1973, JUNE 30, 1975.
LOWEST WATER LEVEL 67.49 BELOW LSD, MAR. 4, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	63.51	MAR. 4, 1981	67.49	MAY 26, 1981	67.00	SEP. 17, 1981	66.74

310321092103901 LOCAL WELL NUMBER: AV-307

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 10 IN, DEPTH 409 FT, SCREENED 359-409. MP TOP OF STEEL PLATE, 1.00 FT ABOVE LSD.
LSD 70.00 FT NGVD.
HIGHEST WATER LEVEL 35.91 BELOW LSD, JUNE 20, 1966.
LOWEST WATER LEVEL 72.75 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1980	53.26	MAR. 6, 1981	69.59C	MAY 22, 1981	56.05	SEP. 18, 1981	72.75C

BEAUREGARD PARISH

303030093120501 LOCAL WELL NUMBER: BE-2

OWNER: SOUTHERN PACIFIC RR. (SEC. 29, T. 6S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, REPORTED DEPTH 276 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN NIPPLE, 0.48 FT ABOVE LSD.
LSD 83.83 FT NGVD.
HIGHEST WATER LEVEL 41.54 BELOW LSD, APR. 27, 1944.
LOWEST WATER LEVEL 67.62 BELOW LSD, FEB. 26, 1973.
RECORDS AVAILABLE 1943-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	64.28	JAN. 29, 1981	63.81	FEB. 18, 1981	63.67	MAR. 27, 1981	64.66
DEC. 5	64.00						

302803093135101 LOCAL WELL NUMBER: BE-73

OWNER: DENNIS SIMON. (SEC. 7, T. 7S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 8 IN, REPORTED DEPTH 399 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 4.85 FT ABOVE LSD.
LSD 78.12 FT NGVD.
HIGHEST WATER LEVEL 58.20 BELOW LSD, MAR. 15, 1977.
LOWEST WATER LEVEL 80.15 BELOW LSD, MAR. 5, 1979.
RECORDS AVAILABLE 1965-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	78.98						

305033093214601 LOCAL WELL NUMBER: BE-98

OWNER: SAVOY AUGUSTINE. (SEC. 35, T. 2S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 223 FT, SCREENED INTERVAL UNKNOWN. MP CRACK IN TOP WELDED TO CASING, 1.00 FT ABOVE LSD (SINCE 3/3/81).
LSD 203.00 FT NGVD.
HIGHEST WATER LEVEL 32.80 BELOW LSD, APR. 22, 1969.
LOWEST WATER LEVEL 39.34 BELOW LSD, MAR. 29, 1971.
RECORDS AVAILABLE 1968-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	36.69						

See footnotes at end of table.

304926093040301 LOCAL WELL NUMBER: BE-178

OWNER: J. D. HOLT. (SEC. 3, T. 3S., R. 7W.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, REPORTED DEPTH 110 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 187.00 FT NGVD.
HIGHEST WATER LEVEL 62.78 BELOW LSD, MAR. 13, 1974.
LOWEST WATER LEVEL 70.86 BELOW LSD, JUNE 15, 1971.
RECORDS AVAILABLE 1968-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	67.48						

304509093322201 LOCAL WELL NUMBER: BE-376

OWNER: MERRYVILLE WATER DEPT. (SEC. 36, T. 3S., R. 12W.) DRILLED UNUSED ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 450 FT, SCREENED 429-450. MP TOP OF 3/4-IN COUPLING, 1.10 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 0.55 BELOW LSD, JUNE 26, 1975.
LOWEST WATER LEVEL 4.00 BELOW LSD, JULY 24, 1978.
RECORDS AVAILABLE 1975-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	3.43						

303614093203201 LOCAL WELL NUMBER: BE-382

OWNER: A. B. MARCANTEL. (SEC. 25, T. 5S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 250 FT, SCREENED 190-250. MP HOLE IN COVER PLATE, AT LSD.
LSD 132.00 FT NGVD.
HIGHEST WATER LEVEL 78.08 BELOW LSD, MAR. 1, 1976.
LOWEST WATER LEVEL 85.73 BELOW LSD, APR. 2, 1970.
RECORDS AVAILABLE 1968-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	79.15						

305025093174201 LOCAL WELL NUMBER: BE-398

OWNER: CITY OF DERIDDER. (SEC. 33, T. 2S., R. 9W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 180 FT, SCREENED 130-180. MP EDGE OF COUPLING, 1.10 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 24.82 BELOW LSD, MAR. 3, 1981.
LOWEST WATER LEVEL 38.48 BELOW LSD, OCT. 18, 1977.
RECORDS AVAILABLE 1977-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	24.82						

303100093411201 LOCAL WELL NUMBER: BE-400

OWNER: SINCLAIR OIL CO. (SEC. 27, T. 6S., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 165 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF COUPLING, 2.80 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 32.71 BELOW LSD, FEB. 6, 1974.
LOWEST WATER LEVEL 41.73 BELOW LSD, NOV. 17, 1971.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	38.87						

BEAUREGARD PARISH

304444093013401 LOCAL WELL NUMBER: BE-429

OWNER: BEAUREGARD PARISH SCHOOL BOARD. (SEC. 6, T. 4S., R. 6W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 188 FT, SCREENED 168-188. MP PIPE FITTING ON SIDE OF CASING, 2.50 FT ABOVE LSD.
LSD 152.00 FT NGVD.
HIGHEST WATER LEVEL 59.17 BELOW LSD, MAR. 11, 1976,
LOWEST WATER LEVEL 61.70 BELOW LSD, MAR. 7, 1979.
RECORDS AVAILABLE 1974-76, 1979, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	60.09						

303644093020401 LOCAL WELL NUMBER: BE-430

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 5S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 123 FT, SCREENED 118-123. MP TOP OF 2-IN GALV. PIPE, 3.00 FT ABOVE LSD.
LSD 120.00 FT NGVD.
HIGHEST WATER LEVEL 59.73 BELOW LSD, MAR. 2, 1976,
LOWEST WATER LEVEL 61.40 BELOW LSD, MAR. 7, 1979.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	60.51						

304055093024201 LOCAL WELL NUMBER: BE-431

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 4S., R. 7W.) DRILLED OBSERVATION WATER-TABLE WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 84 FT, SCREENED 79-84. MP TOP OF 2-IN GALV. PIPE, 2.10 FT ABOVE LSD.
LSD 70.00 FT NGVD.
HIGHEST WATER LEVEL 0.55 BELOW LSD, MAR. 7, 1979,
LOWEST WATER LEVEL 7.42 BELOW LSD, NOV. 8, 1978.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	5.84						

305019093292401 LOCAL WELL NUMBER: BE-435

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 3S., R. 11W) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 124 FT, SCREENED 119-124. MP TOP OF 2-IN GALV. PIPE, 3.90 FT ABOVE LSD (SINCE 3/3/81).
LSD 129.00 FT NGVD.
HIGHEST WATER LEVEL 12.27 BELOW LSD, JULY 16, 1975,
LOWEST WATER LEVEL 16.34 BELOW LSD, MAR. 3, 1981.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	16.34						

305011093303801 LOCAL WELL NUMBER: BE-436

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 89 FT, SCREENED 84-89. MP TOP OF 2-IN GALV. PIPE, 2.30 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 0.90 ABOVE LSD, MAR. 6, 1979,
LOWEST WATER LEVEL 3.92 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	2.46						

304755093315001 LOCAL WELL NUMBER: BE-437

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 3S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 60 FT. SCREENED 55-60. MP TOP OF 2-IN GALV. PIPE, 5.60 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 8.60 BELOW LSD, JUNE 26, 1975.
LOWEST WATER LEVEL 17.81 BELOW LSD, NOV. 9, 1976.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	10.60						

304320093314001 LOCAL WELL NUMBER: BE-438

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 4S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 144 FT. SCREENED 139-144. MP TOP OF 2-IN GALV. PIPE, 1.40 FT ABOVE LSD.
LSD 98.00 FT NGVD.
HIGHEST WATER LEVEL 8.08 BELOW LSD, JUNE 26, 1975.
LOWEST WATER LEVEL 14.82 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1974-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	13.05						

304556093162501 LOCAL WELL NUMBER: BE-439

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 189 FT. SCREENED 184-189. MP TOP OF 2-IN GALV. PIPE, 2.50 FT ABOVE LSD.
LSD 169.00 FT NGVD.
HIGHEST WATER LEVEL 46.77 BELOW LSD, DEC. 1, 1975.
LOWEST WATER LEVEL 50.07 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	48.27						

305251093211401 LOCAL WELL NUMBER: BE-440

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 2S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 169 FT. SCREENED 164-169. MP TOP OF 2-IN GALV. PIPE, 2.45 FT ABOVE LSD.
LSD 212.00 FT NGVD.
HIGHEST WATER LEVEL 39.22 BELOW LSD, NOV. 9, 1976.
LOWEST WATER LEVEL 46.35 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1975-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	45.35						

304205093333101 LOCAL WELL NUMBER: BE-441

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 4S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 133 FT. SCREENED 128-133. MP TOP OF 2-IN GALV. PIPE, 2.80 FT ABOVE LSD.
LSD 163.00 FT NGVD.
HIGHEST WATER LEVEL 61.16 BELOW LSD, MAR. 7, 1978.
LOWEST WATER LEVEL 66.19 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	64.05						

BEAUREGARD PARISH

304248093232601 LOCAL WELL NUMBER: BE-442

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN, DEPTH 144 FT, SCREENED 139-144. MP TOP OF 2-IN GALV. PIPE, 2.10 FT ABOVE LSD.
LSD 150.00 FT NGVD.
HIGHEST WATER LEVEL 38.47 BELOW LSD, DEC. 1, 1975.
LOWEST WATER LEVEL 41.99 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	40.00						

305018093251301 LOCAL WELL NUMBER: BE-443

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN, DEPTH 164 FT, SCREENED 159-164. MP TOP OF 2-IN GALV. PIPE, 2.40 FT ABOVE LSD.
LSD 206.00 FT NGVD.
HIGHEST WATER LEVEL 34.16 BELOW LSD, JUNE 26, 1975.
LOWEST WATER LEVEL 37.47 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	37.18						

303933093353601 LOCAL WELL NUMBER: BE-446

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 5S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN, DEPTH 157 FT, SCREENED 152-157. MP TOP OF 2-IN GALV. PIPE, 4.20 FT ABOVE LSD.
LSD 83.00 FT NGVD.
HIGHEST WATER LEVEL 23.07 BELOW LSD, JUNE 26, 1975.
LOWEST WATER LEVEL 27.10 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	25.53						

304445093351701 LOCAL WELL NUMBER: BE-456

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 4S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN ALLUVIAL AQUIFER OF QUATERNARY AGE. DIAM 2 IN, DEPTH 83 FT, SCREENED 78-83. MP TOP OF 2-IN PIPE, 2.00 FT ABOVE LSD.
LSD 78.00 FT NGVD.
HIGHEST WATER LEVEL 6.32 BELOW LSD, MAR. 7, 1978.
LOWEST WATER LEVEL 14.50 BELOW LSD, AUG. 26, 1980.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	11.00						

303606093384201 LOCAL WELL NUMBER: BE-457

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 5S., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN, DEPTH 155 FT, SCREENED 150-155. MP TOP OF 2-IN PIPE, 2.30 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 45.74 BELOW LSD, MAR. 4, 1977.
LOWEST WATER LEVEL 49.86 BELOW LSD, AUG. 26, 1980.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	49.53						

323241093031901 LOCAL WELL NUMBER: BI-1

OWNER: TOWN OF GIBSLAND. (SEC. 14, T. 18N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN, DEPTH 490 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 3.15 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 57.30 BELOW LSD, MAY 9, 1958.
LOWEST WATER LEVEL 100.15 BELOW LSD, AUG. 14, 1979.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	94.07						

323240093032001 LOCAL WELL NUMBER: BI-2

OWNER: TOWN OF GIBSLAND. (SEC. 14, T. 18N, R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN, DEPTH 490 FT, SCREENED 429-490, MP TOP OF CASING, 3.80 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 45.68 BELOW LSD, MAR. 31, 1949.
LOWEST WATER LEVEL 95.84 BELOW LSD, SEP. 28, 1981.
RECORDS AVAILABLE 1940, 1948-71, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	83.44	MAR. 3, 1981	86.01	JUNE 15, 1981	87.54	AUG. 18, 1981	89.18
DEC. 8	83.95	APR. 15	87.25	JULY 9	89.10	SEP. 28	95.84

323251092551901 LOCAL WELL NUMBER: BI-4

OWNER: LOUISIANA GAS SERVICE CO. (SEC. 18, T. 18N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN, DEPTH 585 FT, SCREENED 518-585. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 350.00 FT NGVD.
HIGHEST WATER LEVEL 149.55 BELOW LSD, OCT. 9, 1940.
LOWEST WATER LEVEL 228.75 BELOW LSD, JULY 1, 1977.
RECORDS AVAILABLE 1940, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	202.23	MAR. 3, 1981	202.28	JUNE 15, 1981	212.20	AUG. 18, 1981	204.16
DEC. 8	205.15	APR. 15	208.94	JULY 10	204.17	SEP. 28	199.88
JAN. 23, 1981	203.83						

321709092523901 LOCAL WELL NUMBER: BI-112

OWNER: CONTINENTAL CAN CO. (SEC. 16, T. 15N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, 4.35 FT ABOVE LSD.
LSD 215.00 FT NGVD.
HIGHEST WATER LEVEL 67.43 BELOW LSD, AUG. 5, 1966.
LOWEST WATER LEVEL 112.89 BELOW LSD, MAR. 10, 1974.
RECORDS AVAILABLE 1966, 1971-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	102.22	MAR. 7, 1981	107.27	MAY 26, 1981	109.91	AUG. 28, 1981	102.31
DEC. 2	99.43	APR. 16	108.62	JULY 13	109.91	SEP. 29	111.02
JAN. 21, 1981	97.77						

323505092535001 LOCAL WELL NUMBER: BI-144

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 18N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 630 FT, SCREENED 620-630. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 320.00 FT NGVD.
HIGHEST WATER LEVEL 198.27 BELOW LSD, SEP. 1, 1970.
LOWEST WATER LEVEL 219.01 BELOW LSD, JUNE 15, 1981.
RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	217.67	MAR. 3, 1981	218.00	JUNE 15, 1981	219.01	AUG. 18, 1981	215.52
DEC. 8	217.80	APR. 15	218.52	JULY 10	217.22	SEP. 28	214.68
JAN. 23, 1981	217.92						

BIENVILLE PARISH

322436092500501   LOCAL WELL NUMBER: BI-166

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 16N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 472 FT, SCREENED 462-472. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 155.21 BELOW LSD, APR. 28, 1975.
LOWEST WATER LEVEL 165.52 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	164.30	AUG. 24, 1981	165.52				

322343093211501   LOCAL WELL NUMBER: BI-214

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 16N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 159 FT, SCREENED 149-159. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 177.00 FT NGVD.
HIGHEST WATER LEVEL 18.91 BELOW LSD, JULY 2, 1980.
LOWEST WATER LEVEL 22.55 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1980	20.28	JAN. 21, 1981	20.26	APR. 21, 1981	20.66	JULY 13, 1981	20.80
DEC. 8	20.47	MAR. 10	20.50	JUNE 16	20.48	SEP. 1	21.12

321616093184201   LOCAL WELL NUMBER: BI-215

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 15N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 244 FT, SCREENED 234-244. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 47.14 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 49.03 BELOW LSD, OCT. 24, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1980	48.39	JAN. 21, 1981	48.52	APR. 16, 1981	48.57	JULY 13, 1981	48.55
DEC. 2	48.49	MAR. 10	48.48	JUNE 16	48.37	SEP. 1	48.74

322119092572301   LOCAL WELL NUMBER: BI-216

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 16N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 300 FT, SCREENED 290-300. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 200.00 FT NGVD.
HIGHEST WATER LEVEL 13.82 BELOW LSD, MAY 19, 1980.
LOWEST WATER LEVEL 17.02 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	15.59	JAN. 21, 1981	15.60	APR. 16, 1981	15.52	JULY 13, 1981	15.66
DEC. 2	15.58	MAR. 12	15.48	MAY 26	14.26	AUG. 26	16.18

321616093184202   LOCAL WELL NUMBER: BI-234

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 15N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 76 FT, SCREENED 73-76. MP TOP OF BUSHING, 2.90 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 23.63 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 28.07 BELOW LSD, SEP. 1, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1980	27.26	JAN. 21, 1981	27.78	APR. 16, 1981	27.44	JULY 13, 1981	27.83
DEC. 2	27.55	MAR. 10	27.18	JUNE 16	26.41	SEP. 1	28.07

BOSSIER PARISH

322518093381701 LOCAL WELL NUMBER: BO-136

OWNER: L S U RED RIVER VALLEY EXPERIMENT STATION, (SEC. 31, T. 17N., R. 12W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 4 IN, DEPTH 180 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF BUSHING, 1.05 FT ABOVE LSD (SINCE 3/25/81).
LSD 155.42 FT NGVD.
HIGHEST WATER LEVEL 10.59 BELOW LSD, JUNE 10, 1958.
LOWEST WATER LEVEL 25.60 BELOW LSD, NOV. 27, 1978.
RECORDS AVAILABLE 1955-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 1, 1981	20.00	JUNE 9, 1981	21.00	SEP. 4, 1981	10.72		

323400093292201 LOCAL WELL NUMBER: BO-322

OWNER: U. S. GEOL. SURVEY, (SEC. 10, T. 18N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 66 FT, SCREENED 63-66, MP TOP OF CASING, AT LSD.
LSD 200.00 FT NGVD.
HIGHEST WATER LEVEL 11.37 BELOW LSD, SEP. 7, 1977.
LOWEST WATER LEVEL 15.46 BELOW LSD, DEC. 8, 1980.
RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1980	15.46	MAR. 3, 1981	15.32	JUNE 19, 1981	14.27	AUG. 20, 1981	15.43

323840093272001 LOCAL WELL NUMBER: BO-336

OWNER: U. S. GEOL. SURVEY, (SEC. 13, T. 19N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84, MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 26.70 BELOW LSD, JULY 11, 1974.
LOWEST WATER LEVEL 41.17 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1974, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1980	31.65	MAR. 3, 1981	32.10	JUNE 19, 1981	33.14	AUG. 20, 1981	41.17

CADDO PARISH

325045093513701 LOCAL WELL NUMBER: CD-345

OWNER: U. S. GEOL. SURVEY, (SEC. 6, T. 21N., R. 14W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 54 FT, SCREENED 51-54, MP TOP OF CASING, 1.30 FT ABOVE LSD.
LSD 189.71 FT NGVD.
HIGHEST WATER LEVEL 5.81 BELOW LSD, MAY 15, 1975.
LOWEST WATER LEVEL 18.46 BELOW LSD, SEP. 7, 1978.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1980	12.69	JAN. 8, 1981	12.94	MAR. 26, 1981	12.52	JULY 9, 1981	10.40
NOV. 11	13.05	FEB. 4	13.10	MAY 6	12.75	AUG. 9	11.37
DEC. 3	12.80	MAR. 4	12.35	JUNE 3	11.10	SEP. 1	12.15

CALDWELL PARISH

320154092164602 LOCAL WELL NUMBER: CA-86A

OWNER: U. S. GEOL. SURVEY, (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 288 FT, SCREENED 278-288, MP TOP OF CASING, 2.83 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 48.45 BELOW LSD, JAN. 13, 1976.
LOWEST WATER LEVEL 52.80 BELOW LSD, MAR. 5, 1981.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1980	51.65	MAR. 5, 1981	52.80	MAY 27, 1981	52.07	SEP. 18, 1981	52.53

CALDWELL PARISH

320154092164601 LOCAL WELL NUMBER: CA-868

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 545 FT, SCREENED 535-545. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 77.30 BELOW LSD, MAR. 13, 1979, AUG. 6, 1979,
LOWEST WATER LEVEL 85.76 BELOW LSD, DEC. 10, 1974.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1980	78.02	MAR. 5, 1981	77.67	MAY 27, 1981	77.84	SEP. 18, 1981	78.72

CATAHOULA PARISH

311500091582501 LOCAL WELL NUMBER: CT-74

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 3N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 196 FT, SCREENED 186-196. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.
LSD 50.00 FT NGVD.
HIGHEST WATER LEVEL 4.62 ABOVE LSD, APR. 16, 1975,
LOWEST WATER LEVEL 57.00 BELOW LSD, DEC. 29, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1980	55.00	MAR. 20, 1981	51.00	JUNE 2, 1981	50.90	SEP. 16, 1981	53.86
DEC. 29	57.00	APR. 16	52.60	JULY 13	47.80	SEP. 17	51.60
JAN. 26, 1981	53.00	APR. 28	53.40	AUG. 13	54.80	SEP. 28	54.00
FEB. 27	52.80	MAY 20	51.30				

CLAIBORNE PARISH

325752093082701 LOCAL WELL NUMBER: CL-9

OWNER: TOWN OF HAYNESVILLE. (SEC. 24, T. 23N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 670 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 3/4-IN COLLAR, 1.40 FT ABOVE LSD.
LSD 360.00 FT NGVD.
HIGHEST WATER LEVEL 212.45 BELOW LSD, DEC. 20, 1961,
LOWEST WATER LEVEL 278.37 BELOW LSD, AUG. 28, 1980.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	267.94	MAR. 3, 1981	266.29	JUNE 18, 1981	267.46	AUG. 18, 1981	269.77

324707093025001 LOCAL WELL NUMBER: CL-58

OWNER: TOWN OF HOMER. (SEC. 25 T. 21N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 482 FT, SCREENED 432-482. MP TOP OF 1-IN PIPE, 2.80 FT ABOVE LSD.
LSD 250.00 FT NGVD.
HIGHEST WATER LEVEL 95.64 BELOW LSD, JAN. 8, 1958,
LOWEST WATER LEVEL 141.19 BELOW LSD, AUG. 15, 1962.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	139.20	AUG. 24, 1981	138.76				

323943092573601 LOCAL WELL NUMBER: CL-136

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 19N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 835 FT, SCREENED 825-835. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 405.00 FT NGVD.
HIGHEST WATER LEVEL 297.80 BELOW LSD, JUNE 26, 1974,
LOWEST WATER LEVEL 310.10 BELOW LSD, MAR. 9, 1981.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1981	310.10	AUG. 24, 1981	309.94				

325706092591001   LOCAL WELL NUMBER: CL-137

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 23N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 639 FT, SCREENED 629-639. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 211.44 BELOW LSD, MAY 14, 1975.
LOWEST WATER LEVEL 221.68 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1981	221.28	AUG. 18, 1981	221.68				

323908093093101   LOCAL WELL NUMBER: CL-138

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 661 FT, SCREENED 651-661. MP TOP OF CASING, 3.80 FT ABOVE LSD.
LSD 380.00 FT NGVD.
HIGHEST WATER LEVEL 206.29 BELOW LSD, JULY 15, 1975.
LOWEST WATER LEVEL 215.52 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	214.29	JAN. 23, 1981	214.53	APR. 15, 1981	214.78	JULY 9, 1981	214.71
DEC. 8	214.29	MAR. 3	214.49	JUNE 18	214.56	AUG. 18	215.52

325437092503301   LOCAL WELL NUMBER: CL-148

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 22N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 625 FT, SCREENED 615-625. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 171.03 BELOW LSD, JUNE 23, 1980.
LOWEST WATER LEVEL 180.01 BELOW LSD, AUG. 15, 1979.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1980	176.20	MAR. 3, 1981	176.71	JUNE 17, 1981	176.83	AUG. 13, 1981	177.89
DEC. 3	176.52	APR. 15	176.91	JULY 10	177.42	SEP. 28	178.44
JAN. 23, 1981	176.67						

330002092445901   LOCAL WELL NUMBER: CL-149

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 23N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 736 FT, SCREENED 726-736. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 264.01 BELOW LSD, FEB. 21, 1980.
LOWEST WATER LEVEL 269.15 BELOW LSD, JAN. 30, 1979.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	267.78	JAN. 23, 1981	268.38	APR. 15, 1981	268.40	JULY 10, 1981	267.75
DEC. 3	268.02	MAR. 3	268.45	JUNE 16	267.90	AUG. 13	268.86

324908092443501   LOCAL WELL NUMBER: CL-151

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 21N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 719 FT, SCREENED 709-719. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 180.24 BELOW LSD, MAY 20, 1980.
LOWEST WATER LEVEL 184.98 BELOW LSD, SEP. 28, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	182.60	MAR. 9, 1981	184.30	JUNE 16, 1981	183.21	AUG. 13, 1981	184.29
DEC. 3	181.90	APR. 15	182.77	JULY 10	183.69	SEP. 28	184.98
JAN. 23, 1981	182.75						

CONCORDIA PARISH

313604091481901 LOCAL WELL NUMBER: CO-50

OWNER: MONTEREY WATER SYSTEM, (SEC. 12, T. 7N., R. 6E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE. DIAM 4 IN. DEPTH 700 FT. SCREENED 680-700. MP TOP OF HOLE IN PUMP BASE, 2.00 FT ABOVE LSD.
LSD 55.00 FT NGVD.
HIGHEST WATER LEVEL 4.01 BELOW LSD, AUG. 15, 1970.
LOWEST WATER LEVEL 41.75 BELOW LSD, SEP. 16, 1981.
RECORDS AVAILABLE 1970, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 13, 1981	25.69	JULY 8, 1981	25.37	AUG. 13, 1981	40.25A	SEP. 16, 1981	41.75A
MAY 26	24.20						

DE SOTO PARISH

320731093561901 LOCAL WELL NUMBER: DS-177

OWNER: HOWARD DENNISON, (SEC. 7, T. 13N., R. 15W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 4 IN. DEPTH 350 FT. CASING SLOTTED 290-350. MP TOP OF CASING, 1.05 FT ABOVE LSD.
LSD 300.00 FT NGVD.
HIGHEST WATER LEVEL 36.13 BELOW LSD, MAY 27, 1962.
LOWEST WATER LEVEL 61.28 BELOW LSD, DEC. 19, 1979.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1980	60.90	MAR. 10, 1981	61.24	JUNE 1, 1981	59.54	SEP. 21, 1981	60.34

321311093380501 LOCAL WELL NUMBER: DS-375

OWNER: U. S. GEOL. SURVEY, (SEC. 7, T. 14N., R. 12W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 94 FT. SCREENED 90-94. MP TOP OF CASING, 4.80 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 41.70 BELOW LSD, APR. 25, 1975, JUNE 2, 1981.
LOWEST WATER LEVEL 43.79 BELOW LSD, DEC. 5, 1979.
RECORDS AVAILABLE 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1980	42.57	MAR. 3, 1981	42.77	JUNE 2, 1981	41.70	SEP. 2, 1981	42.20

315345093355801 LOCAL WELL NUMBER: DS-443

OWNER: U. S. GEOL. SURVEY, (SEC. 37, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 2 IN. DEPTH 304 FT. SCREENED 294-304. MP TOP OF CASING, 3.20 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 61.22 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 63.61 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	63.37	MAR. 11, 1981	63.22	JUNE 1, 1981	63.19	AUG. 24, 1981	63.61
DEC. 10	63.57	APR. 15	63.24	JULY 10	63.28	SEP. 21	63.44
JAN. 27, 1981	63.35						

315545093372601 LOCAL WELL NUMBER: DS-444

OWNER: U. S. GEOL. SURVEY, (SEC. 20, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 2 IN. DEPTH 241 FT. SCREENED 231-241. MP TOP OF CASING, 3.45 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 58.59 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 60.72 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	60.45	MAR. 11, 1981	60.43	JUNE 1, 1981	60.26	AUG. 24, 1981	60.72
DEC. 10	60.55	APR. 15	60.39	JULY 10	60.26	SEP. 21	60.55
JAN. 27, 1981	60.45						

See footnotes at end of table.

315521093343801 LOCAL WELL NUMBER: DS-445

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 140 FT, SCREENED 130-140, MP TOP OF CASING, 3.60 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 78.13 BELOW LSD, MAY 15, 1978.
LOWEST WATER LEVEL 80.71 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1980	80.24	MAR. 11, 1981	80.35	JUNE 1, 1981	80.24	AUG. 24, 1981	80.71
DEC. 10	80.49	APR. 15	80.43	JULY 10	80.29	SEP. 21	80.51
JAN. 27, 1981	80.47						

315629093352601 LOCAL WELL NUMBER: DS-446

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 220 FT, SCREENED 210-220, MP TOP OF CASING, 3.85 FT ABOVE LSD.
LSD 340.00 FT NGVD.
HIGHEST WATER LEVEL 91.12 BELOW LSD, MAY 15, 1978.
LOWEST WATER LEVEL 93.42 BELOW LSD, APR. 15, 1981.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1980	92.44	MAR. 11, 1981	93.38	JUNE 1, 1981	93.13	AUG. 24, 1981	92.65
DEC. 10	92.46	APR. 15	93.42	JULY 10	92.40	SEP. 21	92.56
JAN. 27, 1981	93.33						

315459093302001 LOCAL WELL NUMBER: DS-448

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 230 FT, SCREENED 220-230, MP TOP OF CASING, 3.63 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 124.22 BELOW LSD, MAY 30, 1979.
LOWEST WATER LEVEL 126.48 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1980	126.06	MAR. 11, 1981	126.10	JUNE 1, 1981	125.97	AUG. 24, 1981	126.48
DEC. 10	126.33	APR. 14	125.94	JULY 10	126.07	SEP. 21	126.34
JAN. 27, 1981	125.91						

315318093274201 LOCAL WELL NUMBER: DS-449

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 10N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 240 FT, SCREENED 230-240, MP TOP OF CASING, 3.25 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 88.64 BELOW LSD, APR. 16, 1979.
LOWEST WATER LEVEL 92.44 BELOW LSD, DEC. 18, 1979.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1980	91.23	MAR. 11, 1981	90.78	JUNE 1, 1981	90.50	AUG. 24, 1981	91.53
DEC. 10	91.28	APR. 14	90.44	JULY 9	90.77	SEP. 21	91.44
JAN. 27, 1981	91.05						

315509093320901 LOCAL WELL NUMBER: DS-450

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 262 FT, SCREENED 252-262, MP TOP OF CASING, 4.10 FT ABOVE LSD.
LSD 290.00 FT NGVD.
HIGHEST WATER LEVEL 127.21 BELOW LSD, MAY 28, 1980.
LOWEST WATER LEVEL 129.55 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1980	128.56	MAR. 11, 1981	128.84	JUNE 1, 1981	128.57	AUG. 24, 1981	129.55
DEC. 10	128.91	APR. 14	128.66	JULY 10	128.80	SEP. 21	128.98
JAN. 27, 1981	128.74						

320059093363701 LOCAL WELL NUMBER: DS-461

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 60 FT, SCREENED 55-60. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 365.00 FT NGVD.
HIGHEST WATER LEVEL 41.03 BELOW LSD, MAY 27, 1980,
LOWEST WATER LEVEL 42.87 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	41.98	MAR. 11, 1981	42.32	JUNE 1, 1981	41.52	AUG. 24, 1981	42.87
DEC. 10	42.20	APR. 15	42.47	JULY 10	42.61	SEP. 21	42.85
JAN. 27, 1981	42.17						

320045093374601 LOCAL WELL NUMBER: DS-462

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 57-62. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 330.00 FT NGVD.
HIGHEST WATER LEVEL 31.82 BELOW LSD, MAY 16, 1979,
LOWEST WATER LEVEL 37.94 BELOW LSD, JAN. 27, 1981, MAR. 11, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	36.33	MAR. 11, 1981	37.94	JUNE 1, 1981	37.23	AUG. 24, 1981	36.95
DEC. 10	37.92	APR. 15	37.70	JULY 10	36.64	SEP. 21	37.05
JAN. 27, 1981	37.94						

320029093383701 LOCAL WELL NUMBER: DS-463

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 79 FT, SCREENED 74-79. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 345.00 FT NGVD.
HIGHEST WATER LEVEL 31.31 BELOW LSD, MAY 24, 1979,
LOWEST WATER LEVEL 41.64 BELOW LSD, SEP. 21, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	40.53	MAR. 11, 1981	40.87	JUNE 1, 1981	40.38	AUG. 24, 1981	40.57
DEC. 10	40.88	APR. 15	40.52	JULY 10	39.95	SEP. 21	41.64
JAN. 27, 1981	41.02						

320000093383101 LOCAL WELL NUMBER: DS-464

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 87 FT, SCREENED 82-87. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 350.00 FT NGVD.
HIGHEST WATER LEVEL 15.73 BELOW LSD, APR. 22, 1980,
LOWEST WATER LEVEL 23.92 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	22.96	MAR. 11, 1981	22.45	JUNE 1, 1981	23.27	AUG. 24, 1981	23.92
DEC. 10	23.17	APR. 15	23.50	JULY 10	22.71	SEP. 21	23.89
JAN. 27, 1981	23.13						

315929093380301 LOCAL WELL NUMBER: DS-465

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 46 FT, SCREENED 41-46. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 310.00 FT NGVD.
HIGHEST WATER LEVEL 9.48 BELOW LSD, MAY 27, 1980,
LOWEST WATER LEVEL 13.44 BELOW LSD, MAR. 11, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	12.68	MAR. 11, 1981	13.44	JUNE 1, 1981	12.70	AUG. 24, 1981	12.80
DEC. 10	13.08	APR. 15	13.10	JULY 10	12.15	SEP. 21	12.73
JAN. 27, 1981	13.38						

315902093371201 LOCAL WELL NUMBER: DS-466

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 80 FT, SCREENED 77-80. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 345.00 FT NGVD.
HIGHEST WATER LEVEL 42.00 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 44.37 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	43.56	MAR. 11, 1981	44.30	JUNE 1, 1981	44.09	AUG. 24, 1981	44.37
DEC. 10	43.90	APR. 15	44.03	JULY 11	44.07	SEP. 21	44.30
JAN. 27, 1981	43.68						

315836093363801 LOCAL WELL NUMBER: DS-467

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 87 FT, SCREENED 82-87. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 345.00 FT NGVD.
HIGHEST WATER LEVEL 42.52 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 44.42 BELOW LSD, DEC. 10, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	44.12	JAN. 27, 1981	44.00	JUNE 1, 1981	43.90	AUG. 24, 1981	44.39
DEC. 10	44.42	APR. 15	44.26	JULY 10	44.04	SEP. 21	44.40

315501093282901 LOCAL WELL NUMBER: DS-468

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 117 FT, SCREENED 114-117. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 145.00 FT NGVD.
HIGHEST WATER LEVEL 5.80 BELOW LSD, APR. 24, 1980.
LOWEST WATER LEVEL 9.54 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1980	9.48	MAR. 11, 1981	7.60	JUNE 1, 1981	7.50	AUG. 24, 1981	9.54
DEC. 10	9.15	APR. 14	7.19	JULY 10	8.15	SEP. 21	8.55
JAN. 27, 1981	8.75						

320118093555601 LOCAL WELL NUMBER: DS-504

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 12N., R. 15W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 260 FT, SCREENED 250-260. MP TOP OF BUSHING, 5.00 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 68.23 BELOW LSD, MAY 28, 1980.
LOWEST WATER LEVEL 69.74 BELOW LSD, NOV. 23, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	69.22	MAR. 11, 1981	68.91	JUNE 2, 1981	68.74	AUG. 25, 1981	69.39
DEC. 11	69.17	APR. 15	69.00	JULY 15	68.93	SEP. 21	69.28
JAN. 27, 1981	69.05						

315818093575202 LOCAL WELL NUMBER: DS-506

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 11N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 56 FT, SCREENED 53-56. MP TOP OF BUSHING, 3.40 FT ABOVE LSD.
LSD 200.00 FT NGVD.
HIGHEST WATER LEVEL 14.08 BELOW LSD, APR. 23, 1980.
LOWEST WATER LEVEL 18.54 BELOW LSD, AUG. 25, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1980	17.98	MAR. 10, 1981	17.80	JUNE 2, 1981	18.08	AUG. 25, 1981	18.54
DEC. 11	17.90	APR. 15	17.86	JULY 15	17.25	SEP. 21	18.48
JAN. 27, 1981	17.83						

DE SOTO PARISH

315722093280501 LOCAL WELL NUMBER: DS-507

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 1 1/4 IN. DEPTH 52 FT. SCREENED 49-52. MP TOP OF BUSHING. 3.20 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 11.88 BELOW LSD. MAY 29. 1980.
LOWEST WATER LEVEL 16.32 BELOW LSD. AUG. 24. 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28. 1980	15.00	MAR. 11. 1981	15.15	JUNE 1. 1981	15.71	AUG. 24. 1981	16.32
DEC. 10	15.16	APR. 14	15.35	JULY 9	15.29	SEP. 21	16.15
JAN. 27. 1981	14.79						

315558093270401 LOCAL WELL NUMBER: DS-508

OWNER: U. S. GEOL. SURVEY. (SEC. 13. T. 11N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 1 1/4 IN. DEPTH 89 FT. SCREENED 86-89. MP TOP OF BUSHING. 3.20 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 49.52 BELOW LSD. MAY 29. 1980.
LOWEST WATER LEVEL 52.55 BELOW LSD. SEP. 21. 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28. 1980	50.92	MAR. 11. 1981	51.68	JUNE 1. 1981	52.10	AUG. 24. 1981	52.42
DEC. 10	51.26	APR. 14	52.08	JULY 9	52.12	SEP. 21	52.55
JAN. 27. 1981	51.46						

315653093571302 LOCAL WELL NUMBER: DS-509

OWNER: U. S. GEOL. SURVEY. (SEC. 12. T. 11N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 1 1/4 IN. DEPTH 139 FT. SCREENED 136-139. MP TOP OF BUSHING. 3.20 FT ABOVE LSD.
LSD 205.00 FT NGVD.
HIGHEST WATER LEVEL 19.78 BELOW LSD. MAY 27. 1980.
LOWEST WATER LEVEL 21.92 BELOW LSD. SEP. 21. 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29. 1980	20.97	MAR. 10. 1981	20.72	JUNE 1. 1981	20.95	AUG. 25. 1981	21.60
DEC. 11	21.09	APR. 15	20.75	JULY 15	20.97	SEP. 21	21.92
JAN. 27. 1981	20.94						

320118093555602 LOCAL WELL NUMBER: DS-510

OWNER: U. S. GEOL. SURVEY. (SEC. 17. T. 12N., R. 15W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 1 1/4 IN. DEPTH 170 FT. SCREENED 167-170. MP TOP OF BUSHING. 4.30 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 44.42 BELOW LSD. JULY 1. 1980.
LOWEST WATER LEVEL 45.55 BELOW LSD. AUG. 25. 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29. 1980	45.17	MAR. 11. 1981	45.26	JUNE 2. 1981	45.08	AUG. 25. 1981	45.55
DEC. 11	45.21	APR. 15	45.30	JULY 15	45.18	SEP. 21	45.50
JAN. 27. 1981	44.95						

EAST CARROLL PARISH

324040091110801 LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38. T. 20N., R. 12E.) DRILLED IRRIGATION SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 12 IN. DEPTH 114 FT. SCREENED 74-114. MP TOP OF CASING. 0.50 FT ABOVE LSD.
LSD 97.00 FT NGVD.
HIGHEST WATER LEVEL 0.26 BELOW LSD. MAY 16. 1973.
LOWEST WATER LEVEL 29.63 BELOW LSD. JUNE 22. 1964.
RECORDS AVAILABLE 1955. 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16. 1980	21.61	MAR. 10. 1981	24.08	JUNE 19. 1981	23.94	AUG. 18. 1981	20.88

EAST CARROLL PARISH

325100091132401   LOCAL WELL NUMBER: EC-89

OWNER: U. S. GEOL. SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 TO 2 IN, DEPTH 335 FT, SCREENED 330-335, MP TOP OF CASING, 0.72 FT ABOVE LSD.
LSD 106.05 FT NGVD.
HIGHEST WATER LEVEL   13.53 BELOW LSD, MAY 14, 1958.
LOWEST WATER LEVEL   23.55 BELOW LSD, SEP. 3, 1980.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1980	18.98	MAR. 10, 1981	18.39	JUNE 19, 1981	21.86	AUG. 18, 1981	21.35

325100091132402   LOCAL WELL NUMBER: EC-90

OWNER: U. S. GEOL. SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 88 FT, SCREENED 83-88, MP TOP OF CASING, 0.75 FT ABOVE LSD.
LSD 106.05 FT NGVD.
HIGHEST WATER LEVEL   13.31 BELOW LSD, MAR. 22, 1973.
LOWEST WATER LEVEL   23.79 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1980	20.80	MAR. 10, 1981	20.81	JUNE 19, 1981	23.68	AUG. 18, 1981	23.79

EVANGELINE PARISH

305017092170801   LOCAL WELL NUMBER: EV-3

OWNER: LA. OFF. STATE PARKS. (IRREG. SEC. 33, T. 2S., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 174 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF CASING FLANGE, 1.55 FT ABOVE LSD.
LSD   75.21 FT NGVD.
HIGHEST WATER LEVEL   30.92 BELOW LSD, MAR. 12, 1946.
LOWEST WATER LEVEL   40.82 BELOW LSD, FEB. 23, 1981.
RECORDS AVAILABLE 1940, 1944-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	40.82						

304249092183601   LOCAL WELL NUMBER: EV-7

OWNER: R. E. DUPRE. (IRREG. SEC. 8, T. 4S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 300 FT, SCREENED INTERVAL UNKNOWN, MP LOWER LIP OF DISCHARGE PIPE, 4.30 FT ABOVE LSD.
LSD   75.84 FT NGVD.
HIGHEST WATER LEVEL   67.50 BELOW LSD, APR. 21, 1950.
LOWEST WATER LEVEL   99.86 BELOW LSD, FEB. 17, 1971.
RECORDS AVAILABLE 1950-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	92.37						

303301092315801   LOCAL WELL NUMBER: EV-18

OWNER: L. J. LEFLEUR AND OTHERS. (SEC. 12, T. 6S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 275 FT, SCREENED INTERVAL UNKNOWN, MP LOWER LIP OF DISCHARGE PIPE, 4.05 FT ABOVE LSD.
LSD   46.77 FT NGVD.
HIGHEST WATER LEVEL   33.81 BELOW LSD, APR. 22, 1944.
LOWEST WATER LEVEL   83.39 BELOW LSD, AUG. 28, 1962.
RECORDS AVAILABLE 1944-72, 1974-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	80.86						

EVANGELINE PARISH

303521092325001 LOCAL WELL NUMBER: EV-23

OWNER: ADA M. SOILEAU. (IRREG. SEC. 26, T. 5S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 360 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/4-IN PIPE, 0.14 FT ABOVE LSD.
LSD 51.06 FT NGVD.
HIGHEST WATER LEVEL 37.94 BELOW LSD, MAR. 13, 1947.
LOWEST WATER LEVEL 83.98 BELOW LSD, MAR. 8, 1977.
RECORDS AVAILABLE 1946-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	80.80						

304156092155301 LOCAL WELL NUMBER: EV-127

OWNER: LUCY V. DARDEAU. (IRREG. SEC. 49, T. 4S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, REPORTED DEPTH 230 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 6.25 FT ABOVE LSD.
LSD 78.67 FT NGVD.
HIGHEST WATER LEVEL 83.69 BELOW LSD, MAR. 22, 1954.
LOWEST WATER LEVEL 96.40 BELOW LSD, FEB. 25, 1974.
RECORDS AVAILABLE 1953-72, 1974-75, 1977-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	95.92						

304120092263001 LOCAL WELL NUMBER: EV-229

OWNER: CHESTLEY FONTENOT. (SEC. 25, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN, DEPTH 231 FT, SCREENED 149-231. MP FLOOR OF SHELTER HOUSE, 0.85 FT ABOVE LSD.
LSD 65.66 FT NGVD.
HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951.
LOWEST WATER LEVEL 108.09 BELOW LSD, JULY 18, 1980.
RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1980	90.16H	JAN. 5, 1981	84.40	APR. 5, 1981	93.35	JULY 5, 1981	103.38
OCT. 5	89.82	JAN. 10	84.22	APR. 10	97.41	JULY 10	99.38
OCT. 10	89.22	JAN. 15	83.82	APR. 15	100.06	JULY 15	97.71
OCT. 15	88.73	JAN. 20	83.47	APR. 16	100.30H	JULY 20	98.18
OCT. 20	88.30	JAN. 22	83.60H	APR. 20	101.72	JULY 22	97.25H
OCT. 23	87.95H	JAN. 25	83.29	APR. 25	103.85	JULY 25	97.38
OCT. 25	87.96	JAN. 31	83.18	APR. 30	103.23	JULY 31	96.22
OCT. 31	87.97	FEB. 5	83.15	MAY 5	99.72	AUG. 5	94.53
NOV. 5	87.34	FEB. 10	83.40	MAY 10	97.15	AUG. 10	93.83
NOV. 10	86.85	FEB. 15	83.63	MAY 15	100.63	AUG. 15	92.40
NOV. 15	86.55	FEB. 20	82.94	MAY 20	101.12	AUG. 20	92.37
NOV. 20	86.88	FEB. 23	82.59H	MAY 25	104.72	AUG. 24	91.62H
NOV. 25	86.35	FEB. 25	82.49	MAY 26	105.26H	AUG. 25	91.86
NOV. 30	85.98	FEB. 28	82.31	MAY 31	103.94	AUG. 31	92.19
DEC. 5	85.72	MAR. 5	82.12	JUNE 5	102.39	SEP. 5	91.53
DEC. 10	85.49	MAR. 10	84.31	JUNE 10	100.24	SEP. 10	91.40
DEC. 15	85.11	MAR. 15	84.20	JUNE 15	98.21	SEP. 15	91.27
DEC. 20	85.18	MAR. 18	87.13H	JUNE 17	97.00H	SEP. 20	90.70
DEC. 23	84.88H	MAR. 20	89.63	JUNE 20	97.62	SEP. 23	89.99H
DEC. 25	84.97	MAR. 25	94.74	JUNE 25	102.51	SEP. 25	89.69
DEC. 31	84.41	MAR. 31	95.97	JUNE 30	104.81	SEP. 30	89.45

305713092254601 LOCAL WELL NUMBER: EV-495

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 1S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 90 FT, SCREENED 84-90. MP TOP OF COUPLING, 1.00 FT ABOVE LSD.
LSD 123.74 FT NGVD.
HIGHEST WATER LEVEL 51.65 BELOW LSD, AUG. 10, 1954.
LOWEST WATER LEVEL 65.58 BELOW LSD, FEB. 21, 1972.
RECORDS AVAILABLE 1953-66, 1972, 1974, 1976-77, 1979, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	60.60						

See footnotes at end of table.

305130092263601 LOCAL WELL NUMBER: EV-500

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 2S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 126 FT, SCREENED 120-126. MP TOP OF 4-IN COUPLING, 0.80 FT ABOVE LSD.
LSD 117.52 FT NGVD.
HIGHEST WATER LEVEL 43.19 BELOW LSD, OCT. 20, 1953,
LOWEST WATER LEVEL 49.82 BELOW LSD, FEB. 21, 1972.
RECORDS AVAILABLE 1953-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	49.40						

304745092204501 LOCAL WELL NUMBER: EV-547

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 3S.,R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 80 FT, SCREENED 75-80. MP TOP OF CASING, 0.62 FT ABOVE LSD.
LSD 113.38 FT NGVD.
HIGHEST WATER LEVEL 19.19 BELOW LSD, APR. 24, 1975,
LOWEST WATER LEVEL 51.25 BELOW LSD, OCT. 14, 1971.
RECORDS AVAILABLE 1954-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	49.88						

304133092322801 LOCAL WELL NUMBER: EV-571

OWNER: EDWARD FUSILIER. (SEC. 23, T. 4S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, REPORTED DEPTH 170 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 62.30 FT NGVD.
HIGHEST WATER LEVEL 31.74 BELOW LSD, MAR. 22, 1954,
LOWEST WATER LEVEL 52.24 BELOW LSD, MAR. 6, 1979.
RECORDS AVAILABLE 1953-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	51.52						

305643092194701 LOCAL WELL NUMBER: EV-612

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 1S., R. 1E.) JETTED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 46 FT, SCREENED 41-46. MP TOP OF 1 1/4-IN PIPE, 1.00 FT ABOVE LSD.
LSD 77.00 FT NGVD.
HIGHEST WATER LEVEL 21.85 BELOW LSD, FEB. 25, 1974,
LOWEST WATER LEVEL 25.53 BELOW LSD, FEB. 17, 1971.
RECORDS AVAILABLE 1953-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	24.71						

304435092184501 LOCAL WELL NUMBER: EV-665

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 4S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 95-100. MP TOP OF 1 1/4-IN PIPE, 2.20 FT ABOVE LSD.
LSD 59.29 FT NGVD.
HIGHEST WATER LEVEL 57.46 BELOW LSD, MAR. 6, 1968,
LOWEST WATER LEVEL 62.95 BELOW LSD, AUG. 31, 1966.
RECORDS AVAILABLE 1964-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	62.17						

305055092330601 LOCAL WELL NUMBER: EV-667

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 2S., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 92 FT. SCREENED 88-92. MP TOP OF 1 1/4-IN PIPE, 3.00 FT ABOVE LSD.
LSD 122.20 FT NGVD.
HIGHEST WATER LEVEL 47.09 BELOW LSD, MAR. 8, 1965.
LOWEST WATER LEVEL 49.67 BELOW LSD, FEB. 21, 1972.
RECORDS AVAILABLE 1964-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	49.55						

305713092254602 LOCAL WELL NUMBER: EV-680

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 1S., R. 1W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 89 FT. SCREENED 85-89. MP TOP OF 1 1/4-IN CASING, 3.00 FT ABOVE LSD.
LSD 120.00 FT NGVD.
HIGHEST WATER LEVEL 54.70 BELOW LSD, FEB. 26, 1974.
LOWEST WATER LEVEL 57.67 BELOW LSD, FEB. 17, 1971.
RECORDS AVAILABLE 1966-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	56.17						

305608092284101 LOCAL WELL NUMBER: EV-681

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 1S., R. 1W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 33 FT. SCREENED 30-33. MP TOP OF 1 1/4-IN CASING, 4.00 FT ABOVE LSD.
LSD 65.00 FT NGVD.
HIGHEST WATER LEVEL 4.93 BELOW LSD, MAR. 6, 1979.
LOWEST WATER LEVEL 7.97 BELOW LSD, AUG. 30, 1966.
RECORDS AVAILABLE 1966-72, 1974-75, 1977-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	7.32						

305049092164101 LOCAL WELL NUMBER: EV-690

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE. DIAM 2 IN. DEPTH 1,211 FT. SCREENED 1,201-1,211. MP TOP OF 2-IN CASING, 4.40 FT ABOVE LSD.
LSD 50.00 FT NGVD.
HIGHEST WATER LEVEL 3.67 ABOVE LSD, APR. 1, 1967.
LOWEST WATER LEVEL 5.88 BELOW LSD, FEB. 23, 1981, FEB. 23, 1981.
RECORDS AVAILABLE 1967-69, 1972-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	5.88	FEB. 23, 1981	5.88				

305049092164102 LOCAL WELL NUMBER: EV-691

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 375 FT. SCREENED 365-375. MP TOP OF 2-IN CASING, 2.26 FT ABOVE LSD.
LSD 50.00 FT NGVD.
HIGHEST WATER LEVEL 8.65 BELOW LSD, MAR. 3, 1976.
LOWEST WATER LEVEL 15.56 BELOW LSD, FEB. 23, 1981, FEB. 23, 1981.
RECORDS AVAILABLE 1967-69, 1972-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	15.56	FEB. 23, 1981	15.56				

EVANGELINE PARISH

304640092195601 LOCAL WELL NUMBER: EV-740

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 36, T. 3S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 117 FT, SCREENED 112-117. MP TOP OF CASING, 1.00 FT ABOVE LSD (SINCE 2/23/81).
LSD 116.00 FT NGVD.
HIGHEST WATER LEVEL 52.52 BELOW LSD, MAR. 18, 1976,
LOWEST WATER LEVEL 55.97 BELOW LSD, FEB. 23, 1981.
RECORDS AVAILABLE 1976-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	55.97						

304617092193201 LOCAL WELL NUMBER: EV-748

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 38, T. 3S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 103 FT, SCREENED 98-103. MP TOP OF 2-IN PIPE, 2.60 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 26.29 BELOW LSD, MAR. 14, 1977,
LOWEST WATER LEVEL 31.07 BELOW LSD, JULY 6, 1978.
RECORDS AVAILABLE 1977-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	28.55						

304316092300701 LOCAL WELL NUMBER: EV-749

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 4S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 144 FT, SCREENED 139-144. MP TOP OF 2-IN PIPE, 2.45 FT ABOVE LSD.
LSD 63.00 FT NGVD.
HIGHEST WATER LEVEL 41.77 BELOW LSD, MAR. 14, 1977,
LOWEST WATER LEVEL 46.27 BELOW LSD, JULY 6, 1978.
RECORDS AVAILABLE 1977-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	45.95						

304543092191301 LOCAL WELL NUMBER: EV-757

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 3S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 120 FT, SCREENED 114-120. MP TOP OF CASING, 1.53 FT ABOVE LSD.
LSD 77.00 FT NGVD.
HIGHEST WATER LEVEL 70.20 BELOW LSD, FEB. 16, 1978,
LOWEST WATER LEVEL 73.07 BELOW LSD, JULY 6, 1978.
RECORDS AVAILABLE 1978-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	71.92						

GRANT PARISH

312703092224801 LOCAL WELL NUMBER: G-127B

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 6N., R. 1E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 97 FT, SCREENED 93-97. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 231.75 FT NGVD.
HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980,
LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1980	66.98	FEB. 2, 1981	67.90	MAY 1, 1981	68.10	JULY 31, 1981	68.27
DEC. 1	67.06	FEB. 27	67.68	JUNE 1	68.21	SEP. 1	68.57
JAN. 2, 1981	67.54	APR. 1	67.04	JULY 1	68.27	SEP. 22	68.38

GRANT PARISH

313119092254001 LOCAL WELL NUMBER: G-262

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 6N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/2 IN. DEPTH 65 FT. SCREENED 62-65. MP TOP OF CASING, 3.30 FT ABOVE LSD.
LSD 178.73 FT NGVD.
HIGHEST WATER LEVEL 35.55 BELOW LSD, APR. 30, 1974.
LOWEST WATER LEVEL 45.15 BELOW LSD, DEC. 23, 1977.
RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	38.02	MAR. 5, 1981	39.12	JUNE 3, 1981	39.85	SEP. 14, 1981	40.95

314200092465101 LOCAL WELL NUMBER: G-305

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 8N., R. 4W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 40 FT. SCREENED 37-40. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 10.65 BELOW LSD, JAN. 30, 1974.
LOWEST WATER LEVEL 19.86 BELOW LSD, DEC. 7, 1978.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1980	17.33	MAR. 4, 1981	18.56	MAY 22, 1981	19.02	SEP. 14, 1981	19.74

313156092324101 LOCAL WELL NUMBER: G-314

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 7N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 99 FT. SCREENED 96-99. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 245.00 FT NGVD.
HIGHEST WATER LEVEL 47.65 BELOW LSD, JULY 7, 1975.
LOWEST WATER LEVEL 59.62 BELOW LSD, NOV. 15, 1971.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1980	53.72	MAR. 12, 1981	54.98	MAY 27, 1981	55.79	SEP. 14, 1981	56.71

JACKSON PARISH

321709092452401 LOCAL WELL NUMBER: JA-49

OWNER: CONTINENTAL CAN CO. (SEC. 15, T. 15N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE. DIAM 12 TO 8 IN. DEPTH 570 FT. SCREENED 542-570. MP TOP OF RECORDER SHELTER SHELF, 2.33 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961.
LOWEST WATER LEVEL 193.86 BELOW LSD, OCT. 1, 1967.
RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1980	145.40	JAN. 10, 1981	142.85	MAR. 5, 1981	139.90	APR. 25, 1981	141.00
OCT. 10	142.70	JAN. 15	143.70	MAR. 10	136.35J	APR. 30	139.00
OCT. 11	144.68H	JAN. 20	140.00	MAR. 15	137.60	MAY 5	138.00
DEC. 2	146.00H	JAN. 25	139.10	MAR. 16	137.14H	MAY 10	137.80
DEC. 5	147.70	JAN. 31	138.20	MAR. 20	138.50	MAY 15	139.20
DEC. 7	149.00J	FEB. 5	139.00	MAR. 25	137.40	MAY 20	137.00
DEC. 10	145.55	FEB. 10	137.54H	MAR. 31	136.70	MAY 25	136.40
DEC. 15	142.45	FEB. 15	138.20	APR. 5	138.50	MAY 30	137.20
DEC. 20	146.30	FEB. 20	140.05	APR. 10	139.70	JUNE 1	136.25J
DEC. 25	141.60	FEB. 25	137.60	APR. 15	138.30	AUG. 26	142.42H
DEC. 31	140.05	FEB. 27	140.05J	APR. 20	142.00	SEP. 29	153.48H
JAN. 5, 1981	142.15	FEB. 28	137.45	APR. 24	143.20J		

See footnotes at end of table.

321249092190402 LOCAL WELL NUMBER: JA-101B

OWNER: CHATHAM GIRL SCOUT CAMP. (SEC. 12, T. 14N., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 432 FT, SCREENED 412-432. MP HOLE IN TOP OF SANITARY SEAL, 1.00 FT ABOVE LSD.
LSD 195.30 FT NGVD.
HIGHEST WATER LEVEL 151.70 BELOW LSD, MAY 11, 1966.
LOWEST WATER LEVEL 174.73 BELOW LSD, JUNE 13, 1967.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1980	162.90	MAR. 6, 1981	164.95	SEP. 10, 1981	161.77		

321128092440801 LOCAL WELL NUMBER: JA-127

OWNER: CONTINENTAL CAN CO. (SEC. 13, T. 14N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 367 FT, SCREENED 357-367. MP TOP OF CASING, 1.80 FT ABOVE LSD.
LSD 242.15 FT NGVD.
HIGHEST WATER LEVEL 152.05 BELOW LSD, JULY 13, 1966.
LOWEST WATER LEVEL 162.67 BELOW LSD, JULY 25, 1973.
RECORDS AVAILABLE 1966, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1980	158.13	MAR. 16, 1981	157.19	JUNE 18, 1981	156.64	AUG. 24, 1981	157.85

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U. S. GEOL. SURVEY, (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 703 FT, SCREENED 693-703. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975.
LOWEST WATER LEVEL 223.82 BELOW LSD, AUG. 25, 1981.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	221.65	MAR. 10, 1981	222.45	JUNE 16, 1981	222.72	AUG. 25, 1981	223.82
DEC. 3	222.15	APR. 21	222.48	JULY 20	223.18		

321338092345801 LOCAL WELL NUMBER: JA-148

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 14N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 578 FT, SCREENED 568-578. MP TOP OF BUSHING, 3.30 FT ABOVE LSD.
LSD 245.00 FT NGVD.
HIGHEST WATER LEVEL 206.58 BELOW LSD, APR. 7, 1976.
LOWEST WATER LEVEL 211.77 BELOW LSD, NOV. 3, 1980.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	211.77	MAR. 3, 1981	210.73	MAY 26, 1981	210.38	AUG. 25, 1981	211.40
DEC. 24	211.33	APR. 17	210.66	JULY 17	210.97		

322433092412101 LOCAL WELL NUMBER: JA-149

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 16N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 478 FT, SCREENED 468-478. MP TOP OF CASING, 3.20 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 154.78 BELOW LSD, MAY 13, 1975.
LOWEST WATER LEVEL 168.18 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	166.52	MAR. 10, 1981	166.66	JUNE 16, 1981	166.56	AUG. 24, 1981	168.18
DEC. 3	167.00	APR. 21	166.67	JULY 20	167.35		

JACKSON PARISH

321730092373701 LOCAL WELL NUMBER: JA-156

OWNER: U. S. GEOL. SURVEY, (SEC. 13, T. 15N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 629 FT, SCREENED 619-629. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 290.00 FT NGVD.
HIGHEST WATER LEVEL 250.90 BELOW LSD, MAY 19, 1980.
LOWEST WATER LEVEL 254.99 BELOW LSD, NOV. 3, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	254.99	MAR. 3, 1981	253.44	MAY 26, 1981	252.83	AUG. 25, 1981	253.75
DEC. 8	254.62	APR. 17	253.21	JULY 20	253.54		

LA SALLE PARISH

314153092075201 LOCAL WELL NUMBER: LA-157

OWNER: U. S. GEOL. SURVEY, (SEC. 2, T. 8N., R. 3E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN, DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 211.90 FT NGVD.
HIGHEST WATER LEVEL 53.33 BELOW LSD, JUNE 29, 1976.
LOWEST WATER LEVEL 59.27 BELOW LSD, OCT. 11, 1972.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	58.07	MAR. 3, 1981	57.73	JUNE 3, 1981	58.32	SEP. 17, 1981	58.55

313610092052601 LOCAL WELL NUMBER: LA-215

OWNER: U. S. GEOL. SURVEY, (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 2.50 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 45.59 BELOW LSD, JULY 16, 1975.
LOWEST WATER LEVEL 57.84 BELOW LSD, NOV. 10, 1972.
RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	55.64	MAR. 3, 1981	55.18	JUNE 3, 1981	54.07	SEP. 17, 1981	56.27

313610092052602 LOCAL WELL NUMBER: LA-217

OWNER: U. S. GEOL. SURVEY, (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 60 FT, SCREENED 57-60. MP TOP OF CASING, 2.20 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 37.23 BELOW LSD, JULY 16, 1975.
LOWEST WATER LEVEL 49.33 BELOW LSD, FEB. 21, 1973.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	38.29	MAR. 3, 1981	40.80	JUNE 3, 1981	40.75	SEP. 17, 1981	42.73

313610092052603 LOCAL WELL NUMBER: LA-218

OWNER: U. S. GEOL. SURVEY, (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 2.20 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 45.68 BELOW LSD, JULY 16, 1975.
LOWEST WATER LEVEL 56.72 BELOW LSD, DEC. 7, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	56.66	MAR. 3, 1981	51.81	JUNE 3, 1981	54.14	SEP. 17, 1981	56.28

LA SALLE PARISH

314500092171004 LOCAL WELL NUMBER: LA-252D

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 9N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 1388 FT, SCREENED 1378-1388, MP TOP OF BUSHING, 4.70 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 35.96 BELOW LSD, JUNE 2, 1980,
LOWEST WATER LEVEL 38.44 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	36.41	JAN. 23, 1981	36.72	APR. 13, 1981	37.06	JULY 7, 1981	37.55
DEC. 9	36.49	MAR. 5	36.70	JUNE 1	37.45	SEP. 18	38.44

LINCOLN PARISH

323132092385901 LOCAL WELL NUMBER: L-25

OWNER: LA. TECH UNIVERSITY. (SEC. 23, T. 18N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 680 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 1-IN COLLAR, 0.80 FT ABOVE LSD.
LSD 300.00 FT NGVD.
HIGHEST WATER LEVEL 250.25 BELOW LSD, AUG. 8, 1961,
LOWEST WATER LEVEL 327.00 BELOW LSD, AUG. 5, 1978.
RECORDS AVAILABLE 1961, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	317.46	MAR. 10, 1981	317.19	JUNE 16, 1981	320.87	SEP. 3, 1981	321.98
DEC. 2	321.42	APR. 21	318.93	JULY 21	321.52		

324141092390501 LOCAL WELL NUMBER: L-26

OWNER: TOWN OF DUBACH. (SEC. 26, T. 20N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 TO 6 IN, DEPTH 686 FT, SCREENED 633-686, MP TOP OF 3/4-IN HOLE IN PLATE, 2.00 FT ABOVE LSD.
LSD 155.00 FT NGVD.
HIGHEST WATER LEVEL 95.20 BELOW LSD, APR. 22, 1950,
LOWEST WATER LEVEL 158.42 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1950, 1962, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1981	152.98	AUG. 24, 1981	158.42				

323458092275101 LOCAL WELL NUMBER: L-68

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 18N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 770 FT, SCREENED 760-770, MP TOP OF 2 X 3/4-IN BUSHING, 5.14 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 185.04 BELOW LSD, MAR. 2, 1970,
LOWEST WATER LEVEL 219.58 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1968-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1981	212.00	AUG. 24, 1981	219.58				

323013092482001 LOCAL WELL NUMBER: L-113

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 18N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 750 FT, SCREENED 740-750, MP TOP OF CASING, 1.30 FT ABOVE LSD.
LSD 355.00 FT NGVD.
HIGHEST WATER LEVEL 266.50 BELOW LSD, AUG. 11, 1969,
LOWEST WATER LEVEL 300.42 BELOW LSD, AUG. 21, 1981.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1981	296.40	AUG. 21, 1981	300.42				

LINCOLN PARISH

323105092374802 LOCAL WELL NUMBER: L-123

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 18N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 330.00 FT NGVD.
HIGHEST WATER LEVEL 126.97 BELOW LSD, SEP. 4, 1974.
LOWEST WATER LEVEL 129.55 BELOW LSD, OCT. 7, 1970.
RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 24, 1981	127.40						

324018092482201 LOCAL WELL NUMBER: L-153

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 19N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 535 FT, SCREENED 525-535. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 212.99 BELOW LSD, JAN. 29, 1979.
LOWEST WATER LEVEL 220.92 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	217.09	JAN. 26, 1981	218.42	APR. 21, 1981	218.98	JULY 21, 1981	219.93
DEC. 2	218.49	MAR. 3	218.55	JUNE 16	219.32	AUG. 24	220.92

MADISON PARISH

322245091073001 LOCAL WELL NUMBER: MA-10

OWNER: ILLINOIS CENTRAL GULF RAILROAD CO. (SEC. 10, T. 16N., R. 13E.) DRILLED UNUSED SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 85 FT, SCREENED 75-85. MP TOP OF CASING, 0.50 FT ABOVE LSD. WELL DESTROYED 6/81.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 3.40 BELOW LSD, MAY 4, 1958.
LOWEST WATER LEVEL 17.37 BELOW LSD, AUG. 12, 1957.
RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 12, 1980	12.37	MAR. 10, 1981	10.80				

MOREHOUSE PARISH

324626091543901 LOCAL WELL NUMBER: MO-5

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 IN, DEPTH 860 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 1.60 FT ABOVE LSD.
LSD 117.44 FT NGVD.
HIGHEST WATER LEVEL 143.85 BELOW LSD, DEC. 22, 1958.
LOWEST WATER LEVEL 219.40 BELOW LSD, SEP. 30, 1975.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1980	199.15H	DEC. 17, 1980	200.99H	APR. 15, 1981	203.49	JULY 25, 1981	200.18
OCT. 5	197.34J	JAN. 26, 1981	200.68H	APR. 20	202.68	JULY 29	201.51J
OCT. 10	202.44	JAN. 31	198.29	APR. 22	198.99J	JULY 31	199.44
OCT. 15	200.61	FEB. 5	200.17	APR. 25	199.03	AUG. 5	200.90
OCT. 20	203.59J	FEB. 10	199.39	APR. 27	196.41J	AUG. 8	191.15J
OCT. 25	202.04	FEB. 13	202.98J	APR. 30	200.38	AUG. 10	194.01
OCT. 31	203.59J	FEB. 15	200.38	JUNE 2	204.50H	AUG. 15	195.98
NOV. 5	199.13	FEB. 20	200.07	JUNE 3	204.74J	AUG. 20	196.26
NOV. 10	198.21	FEB. 25	200.28	JUNE 5	202.30	AUG. 25	196.69
NOV. 13	201.45H	FEB. 28	200.00	JUNE 10	204.12	AUG. 26	196.81H
NOV. 15	199.09	MAR. 5	199.53	JUNE 15	194.36	AUG. 28	191.17J
NOV. 20	200.07	MAR. 10	195.49J	JUNE 20	195.28	AUG. 30	194.34
NOV. 25	197.04	MAR. 15	201.39	JUNE 25	192.86	SEP. 5	195.89
NOV. 26	196.09J	MAR. 19	201.65H	JUNE 30	195.92	SEP. 10	195.98
NOV. 30	202.07	MAR. 20	202.72	JULY 5	172.85J	SEP. 14	198.78J
DEC. 5	202.95	MAR. 25	201.90	JULY 10	193.87	SEP. 15	197.87
DEC. 10	203.46	MAR. 30	203.09	JULY 15	198.50	SEP. 20	195.51
DEC. 12	203.71J	APR. 5	200.03	JULY 20	194.80H	SEP. 25	193.85
DEC. 15	203.36	APR. 10	200.85				

See footnotes at end of table.

324704091543801 LOCAL WELL NUMBER: MO-15

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 16 IN, DEPTH 105 FT, SCREENED 67-105. MP TOP OF STEEL BASE PLATE, 1.00 FT ABOVE LSD.
LSD 143.72 FT NGVD.
HIGHEST WATER LEVEL 74.83 BELOW LSD, APR. 29, 1953.
LOWEST WATER LEVEL 99.55 BELOW LSD, DEC. 17, 1974.
RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1981	89.35	AUG. 26, 1981	89.39				

323806091530401 LOCAL WELL NUMBER: MO-67

OWNER: D. W. PIPES. (SEC. 17, T. 19N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 81 FT, SCREENED 71-81. MP TOP OF CASING, 7.90 FT ABOVE LSD.
LSD 73.51 FT NGVD.
HIGHEST WATER LEVEL 1.59 BELOW LSD, DEC. 19, 1961.
LOWEST WATER LEVEL 21.46 BELOW LSD, SEP. 2, 1980.
RECORDS AVAILABLE 1953-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	20.75						

325925091513001 LOCAL WELL NUMBER: MO-283

OWNER: GEORGIA-PACIFIC CORP. (SEC. 9, T. 23N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 1/2 IN, DEPTH 135 FT, SCREENED 125-135. MP 1-IN HOLE IN TOP OF WELL CAP, 3.90 FT ABOVE LSD.
LSD 163.26 FT NGVD.
HIGHEST WATER LEVEL 71.39 BELOW LSD, FEB. 23, 1961.
LOWEST WATER LEVEL 74.84 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1960-63, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	74.84						

324622091511301 LOCAL WELL NUMBER: MO-334

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 21N., R. 6E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 97-100. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 147.58 FT NGVD.
HIGHEST WATER LEVEL 69.45 BELOW LSD, FEB. 20, 1968.
LOWEST WATER LEVEL 72.68 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	72.68						

324753091471201 LOCAL WELL NUMBER: MO-342

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 620 FT, SCREENED 610-620. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 88.34 FT NGVD.
HIGHEST WATER LEVEL 91.63 BELOW LSD, JULY 31, 1968.
LOWEST WATER LEVEL 103.30 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	103.30						

324753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 176 FT, SCREENED 166-176. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 88.41 FT NGVD.
HIGHEST WATER LEVEL 0.50 BELOW LSD, MAY 13, 1975,
LOWEST WATER LEVEL 13.79 BELOW LSD, AUG. 26, 1981.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 26, 1981	13.79						

325810091384001 LOCAL WELL NUMBER: MO-344

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 258 FT, SCREENED 248-258. MP TOP OF CASING, 3.60 FT ABOVE LSD.
LSD 106.35 FT NGVD.
HIGHEST WATER LEVEL 14.96 BELOW LSD, APR. 30, 1969,
LOWEST WATER LEVEL 35.04 BELOW LSD, SEP. 26, 1979.
RECORDS AVAILABLE 1968-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	28.89						

325526091530501 LOCAL WELL NUMBER: MO-345

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 22N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 786 FT, SCREENED 776-786. MP TOP OF CASING, 4.90 FT ABOVE LSD.
LSD 113.65 FT NGVD.
HIGHEST WATER LEVEL 100.76 BELOW LSD, JULY 16, 1968,
LOWEST WATER LEVEL 113.19 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	113.19						

325810091384002 LOCAL WELL NUMBER: MO-346

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 167 FT, SCREENED 157-167. MP TOP OF CASING, 3.60 FT ABOVE LSD.
LSD 106.57 FT NGVD.
HIGHEST WATER LEVEL 15.47 BELOW LSD, APR. 30, 1969,
LOWEST WATER LEVEL 30.74 BELOW LSD, AUG. 22, 1972.
RECORDS AVAILABLE 1968-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	27.18						

324352091531001 LOCAL WELL NUMBER: MO-347

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 833 FT, SCREENED 823-833. MP TOP OF BUSHING, 3.67 FT ABOVE LSD.
LSD 142.27 FT NGVD.
HIGHEST WATER LEVEL 181.30 BELOW LSD, MAY 13, 1975,
LOWEST WATER LEVEL 193.69 BELOW LSD, SEP. 2, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	192.91						

MOREHOUSE PARISH

325518091403001 LOCAL WELL NUMBER: MO-348

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 22N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 311 FT, SCREENED 291-311. MP TOP OF CASING, 4.20 FT ABOVE LSD.
LSD 98.88 FT NGVD.
HIGHEST WATER LEVEL 9.63 BELOW LSD, MAR. 26, 1969.
LOWEST WATER LEVEL 18.22 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	16.62						

324352091531002 LOCAL WELL NUMBER: MO-349

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 217 FT, SCREENED 197-217. MP TOP OF BUSHING, 3.93 FT ABOVE LSD.
LSD 142.46 FT NGVD.
HIGHEST WATER LEVEL 67.45 BELOW LSD, JULY 10, 1969.
LOWEST WATER LEVEL 71.09 BELOW LSD, SEP. 8, 1975.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	70.39						

325707091574701 LOCAL WELL NUMBER: MO-350

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 23N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 740 FT, SCREENED 730-740. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 112.08 FT NGVD.
HIGHEST WATER LEVEL 95.50 BELOW LSD, MAR. 10, 1969.
LOWEST WATER LEVEL 108.90 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	108.90						

324352091531003 LOCAL WELL NUMBER: MO-351

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 312 FT, SCREENED 292-312. MP TOP OF BUSHING, 3.71 FT ABOVE LSD.
LSD 142.23 FT NGVD.
HIGHEST WATER LEVEL 67.18 BELOW LSD, SEP. 6, 1977.
LOWEST WATER LEVEL 71.34 BELOW LSD, SEP. 25, 1979.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 20, 1981	71.22						

NATCHITOCHES PARISH

313918093023101 LOCAL WELL NUMBER: NA-284

OWNER: U. S. GEOL. SURVEY. (SEC. 42, T. 8N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 72 FT, SCREENED 69-72. MP TOP OF CASING, 1.60 FT ABOVE LSD.
LSD 102.59 FT NGVD.
HIGHEST WATER LEVEL 0.36 ABOVE LSD, AUG. 22, 1969.
LOWEST WATER LEVEL 13.71 BELOW LSD, OCT. 1, 1956.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1980	10.63	JAN. 15, 1981	10.98	APR. 7, 1981	10.15	JULY 10, 1981	9.98
NOV. 4	10.90	FEB. 12	10.02	MAY 13	10.14	AUG. 12	10.46
DEC. 5	10.82	MAR. 11	9.10	JUNE 12	8.68	SEP. 4	11.12

NATCHITOCHES PARISH

320116093044902 LOCAL WELL NUMBER: NA-479

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 12N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 1 1/4 IN. DEPTH 106 FT. SCREENED 103-106. MP TOP OF BUSHING. 3.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 57.46 BELOW LSD. MAY 15. 1980.
LOWEST WATER LEVEL 59.49 BELOW LSD. SEP. 4. 1980.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5. 1980	58.43	JAN. 21. 1981	58.60	APR. 15. 1981	58.39	JULY 13. 1981	58.41
DEC. 5	58.48	MAR. 12	58.41	JUNE 3	58.27	AUG. 27	58.70

OUACHITA PARISH

323837092021702 LOCAL WELL NUMBER: OU-24

OWNER: SOUTHERN CARBON CO. (SEC. 37, T. 19N., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE. DIAM 6 IN. DEPTH 688 FT. SCREENED 540-688. MP TOP INSIDE EDGE OF 1/2-IN NIPPLE. 5.27 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 119.70 BELOW LSD. MAR. 17. 1964.
LOWEST WATER LEVEL 136.41 BELOW LSD. MAR. 4. 1981.
RECORDS AVAILABLE 1964-70. 1970-78. 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4. 1981	136.41	AUG. 18. 1981	135.31				

322901092091501 LOCAL WELL NUMBER: OU-77

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 3, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE. DIAM 16 IN. DEPTH 851 FT. SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER. 2.40 FT ABOVE LSD.
LSD 75.90 FT NGVD.
HIGHEST WATER LEVEL 168.82 BELOW LSD. JULY 7. 1952.
LOWEST WATER LEVEL 276.75 BELOW LSD. AUG. 28. 1978.
RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14. 1980	209.62H	JAN. 4. 1981	234.19J	APR. 5. 1981	254.39	JULY 10. 1981	264.28
OCT. 15	269.23	JAN. 5	247.22	APR. 10	238.32J	JULY 15	259.70
OCT. 20	266.56	JAN. 10	248.69	APR. 15	255.51	JULY 20	266.07
OCT. 25	258.60	JAN. 15	249.99	APR. 17	256.75H	JULY 21	265.30H
OCT. 30	249.79	JAN. 20	252.06	APR. 20	256.30	JULY 25	265.60
NOV. 5	247.09	JAN. 25	259.34	APR. 25	256.72	JULY 31	266.24
NOV. 10	247.42	JAN. 26	255.86H	APR. 30	260.25	AUG. 1	257.97J
NOV. 11	259.60J	JAN. 31	260.17	MAY 5	256.00	AUG. 5	262.12
NOV. 13	246.99J	FEB. 1	261.77J	MAY 9	260.77J	AUG. 10	263.40
NOV. 14	257.45H	FEB. 5	256.84	MAY 10	258.40	AUG. 15	265.44
NOV. 15	259.55	FEB. 10	254.53	MAY 12	244.12J	AUG. 20	270.68
NOV. 17	261.41J	FEB. 15	253.17	MAY 15	255.57	AUG. 24	271.13J
NOV. 20	253.17	FEB. 16	251.48J	MAY 20	256.62	AUG. 25	268.38
NOV. 23	243.81J	FEB. 20	258.27	MAY 25	254.99	AUG. 31	268.99
NOV. 25	258.32	FEB. 25	256.07	MAY 31	259.23	SEP. 3	268.33H
NOV. 30	256.52	FEB. 28	253.67	JUNE 5	259.45	SEP. 5	271.48
DEC. 4	259.25H	MAR. 5	254.88	JUNE 10	257.23	SEP. 8	266.97J
DEC. 5	260.05	MAR. 10	256.79	JUNE 15	258.69	SEP. 10	263.60
DEC. 10	255.39	MAR. 15	255.17	JUNE 17	259.28H	SEP. 15	271.22
DEC. 15	243.12	MAR. 19	257.60H	JUNE 20	263.26	SEP. 16	272.19J
DEC. 20	263.51	MAR. 20	257.02	JUNE 25	266.36	SEP. 20	267.35
DEC. 21	265.10J	MAR. 25	257.60	JUNE 30	271.67J	SEP. 25	271.03
DEC. 25	243.67	MAR. 30	259.62J	JULY 1	257.46J	SEP. 30	269.03
DEC. 31	249.13	MAR. 31	259.36	JULY 5	259.57		

322649092063101 LOCAL WELL NUMBER: OU-88

OWNER: FRED PETERS. (SEC. 24, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE. DIAM 6 TO 4 IN. DEPTH 401 FT. SCREENED 335-401. MP TOP OF CASING. 2.40 FT ABOVE LSD.
LSD 75.00 FT NGVD.
HIGHEST WATER LEVEL 42.83 BELOW LSD. JAN. 17. 1946.
LOWEST WATER LEVEL 103.28 BELOW LSD. SEP. 10. 1976.
RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3. 1981	100.32	AUG. 17. 1981	101.34				

See footnotes at end of table.

323044092035701 LOCAL WELL NUMBER: OU-96

OWNER: CITY OF MONROE. (IRREG. SEC. 38, T. 18N., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 364 FT, SCREENED 294-364. MP TOP OF BREATHER HOLE IN PUMP BASE, 3.00 FT ABOVE LSD.
LSD 74.06 FT NGVD.
HIGHEST WATER LEVEL 65.04 BELOW LSD, MAR. 5, 1946.
LOWEST WATER LEVEL 148.80 BELOW LSD, SEP. 21, 1979.
RECORDS AVAILABLE 1946, 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1981	143.50						

323136091592801 LOCAL WELL NUMBER: OU-151

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 19, T. 18N., R. 5E.) DRILLED OBSERVATION SEMI-ARTESIAN WELL IN THE OUACHITA ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 68 FT, SCREENED 58-68. MP TOP OF 3 X 2-IN REDUCER, 4.80 FT ABOVE LSD.
LSD 72.42 FT NGVD.
HIGHEST WATER LEVEL 3.77 BELOW LSD, MAR. 19, 1975.
LOWEST WATER LEVEL 23.63 BELOW LSD, SEP. 22, 1954.
RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	16.75	MAR. 4, 1981	16.90	JUNE 18, 1981	17.30	AUG. 18, 1981	18.42

321653092015601 LOCAL WELL NUMBER: OU-241

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 15N., R. 4E.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 70 FT, SCREENED 67-70. MP TOP OF CASING, 4.40 FT ABOVE LSD.
LSD 61.52 FT NGVD.
HIGHEST WATER LEVEL 12.78 BELOW LSD, JAN. 17, 1968.
LOWEST WATER LEVEL 26.99 BELOW LSD, SEP. 29, 1978.
RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1981	21.70						

321713092034401 LOCAL WELL NUMBER: OU-243

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 59-62. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 61.83 FT NGVD.
HIGHEST WATER LEVEL 8.54 BELOW LSD, SEP. 3, 1975.
LOWEST WATER LEVEL 23.60 BELOW LSD, NOV. 27, 1963.
RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1981	14.64						

322422092020701 LOCAL WELL NUMBER: OU-401A

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 16N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 397 FT, SCREENED 389-397. MP TOP OF CASING, 3.89 FT ABOVE LSD.
LSD 62.28 FT NGVD.
HIGHEST WATER LEVEL 70.11 BELOW LSD, APR. 27, 1967.
LOWEST WATER LEVEL 101.09 BELOW LSD, MAR. 13, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	97.99	MAR. 13, 1981	101.09	AUG. 17, 1981	100.60		

OUACHITA PARISH

321714092041401 LOCAL WELL NUMBER: OU-402

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 750 FT, SCREENED 740-750. MP TOP OF CASING, 3.68 FT ABOVE LSD.
LSD 63.30 FT NGVD.
HIGHEST WATER LEVEL 37.01 BELOW LSD, JULY 5, 1965.
LOWEST WATER LEVEL 48.77 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	48.38	MAR. 3, 1981	48.70	AUG. 18, 1981	48.77		

321714092041402 LOCAL WELL NUMBER: OU-403

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 460 FT, SCREENED 453-460. MP TOP OF CASING, 4.04 FT ABOVE LSD.
LSD 63.30 FT NGVD.
HIGHEST WATER LEVEL 40.71 BELOW LSD, SEP. 13, 1967.
LOWEST WATER LEVEL 55.62 BELOW LSD, AUG. 29, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	54.74	MAR. 3, 1981	54.85	JUNE 18, 1981	54.60	AUG. 18, 1981	55.42

323030091554801 LOCAL WELL NUMBER: OU-404

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 18N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 685 FT, SCREENED 678-685. MP TOP OF CASING, 4.77 FT ABOVE LSD.
LSD 60.89 FT NGVD.
HIGHEST WATER LEVEL 62.27 BELOW LSD, AUG. 7, 1968.
LOWEST WATER LEVEL 81.00 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	80.67	MAR. 4, 1981	79.91	JUNE 18, 1981	80.21	AUG. 18, 1981	81.00
DEC. 10	80.44						

322531092053901 LOCAL WELL NUMBER: OU-405

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 775 FT, SCREENED 770-775. MP TOP OF CASING, 3.78 FT ABOVE LSD.
LSD 66.66 FT NGVD.
HIGHEST WATER LEVEL 91.89 BELOW LSD, JULY 19, 1968.
LOWEST WATER LEVEL 116.37 BELOW LSD, SEP. 26, 1980.
RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	115.81	MAR. 3, 1981	114.61	AUG. 17, 1981	115.12		

322531092053902 LOCAL WELL NUMBER: OU-406

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 681 FT, SCREENED 676-681. MP TOP OF CASING, 3.66 FT ABOVE LSD.
LSD 66.75 FT NGVD.
HIGHEST WATER LEVEL 115.06 BELOW LSD, JAN. 17, 1968.
LOWEST WATER LEVEL 141.87 BELOW LSD, DEC. 9, 1980.
RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	141.87	MAR. 3, 1981	141.04	AUG. 17, 1981	141.10		

OUACHITA PARISH

323100092165801 LOCAL WELL NUMBER: OU-443

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 860 FT, SCREENED 850-860. MP TOP OF CASING, 3.22 FT ABOVE LSD.
LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 168.40 BELOW LSD, AUG. 20, 1969,
LOWEST WATER LEVEL 195.62 BELOW LSD, AUG. 17, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	194.18	AUG. 17, 1981	195.62				

323100092165802 LOCAL WELL NUMBER: OU-444

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 670 FT, SCREENED 660-670. MP TOP OF CASING, 3.60 FT ABOVE LSD.
LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 171.15 BELOW LSD, AUG. 20, 1969,
LOWEST WATER LEVEL 198.92 BELOW LSD, AUG. 17, 1981.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	196.80	AUG. 17, 1981	198.92				

323100092165803 LOCAL WELL NUMBER: OU-445

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 454 FT, SCREENED 444-454. MP TOP OF CASING, 3.66 FT ABOVE LSD.
LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 191.97 BELOW LSD, APR. 13, 1970,
LOWEST WATER LEVEL 225.25 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	219.06	AUG. 17, 1981	223.84				

322437092243101 LOCAL WELL NUMBER: OU-488

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 16N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 795 FT, SCREENED 785-795. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 300.39 BELOW LSD, APR. 18, 1979,
LOWEST WATER LEVEL 308.39 BELOW LSD, SEP. 29, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1980	306.34	MAR. 4, 1981	306.68	JUNE 11, 1981	306.87	AUG. 21, 1981	308.10
DEC. 9	306.59	APR. 27	307.00	JULY 9	307.49	SEP. 29	308.39
JAN. 26, 1981	301.41						

RAPIDES PARISH

311727092270901 LOCAL WELL NUMBER: R-18

OWNER: CITY OF ALEXANDRIA. (SEC. 7, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN, DEPTH 406 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/4-IN NIPPLE, 1.30 FT ABOVE LSD.
LSD 78.53 FT NGVD.
HIGHEST WATER LEVEL 69.73 BELOW LSD, APR. 29, 1960,
LOWEST WATER LEVEL 179.75 BELOW LSD, OCT. 21, 1963.
RECORDS AVAILABLE 1939, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1980	128.70C	MAR. 3, 1981	140.83C	MAY 26, 1981	96.10	AUG. 18, 1981	153.80C
DEC. 10	133.90C	APR. 13	99.11	JULY 6	149.37C	SEP. 22	145.92C
JAN. 30, 1981	83.80						

See footnotes at end of table.

311922092273401 LOCAL WELL NUMBER: R-26

OWNER: MISSOURI PACIFIC RR. (SEC. 40, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN, DEPTH APPROXIMATELY 1100 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 3.25 FT ABOVE LSD.
LSD 83.50 FT NGVD.
HIGHEST WATER LEVEL 83.29 BELOW LSD, FEB. 26, 1957,
LOWEST WATER LEVEL 168.66 BELOW LSD, AUG. 10, 1943.
RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1980	100.02J	DEC. 25, 1980	96.42	MAR. 20, 1981	98.51	JULY 10, 1981	99.20
OCT. 5	100.02J	DEC. 31	96.27	MAR. 24	98.54J	JULY 15	99.28
OCT. 10	99.89	JAN. 5, 1981	96.27	MAR. 25	98.53	JULY 20	99.41
OCT. 15	99.94	JAN. 10	96.22	MAR. 31	98.39	JULY 25	99.76
OCT. 20	99.24	JAN. 15	96.09	APR. 5	98.51	JULY 31	100.06
OCT. 23	99.07H	JAN. 20	95.94	APR. 10	98.50	AUG. 5	100.18
OCT. 25	98.94	JAN. 25	95.91	APR. 13	98.50H	AUG. 10	100.37
OCT. 31	98.58	JAN. 27	95.87J	APR. 15	98.45	AUG. 15	100.31
NOV. 5	98.36	JAN. 31	95.86	APR. 20	98.46	AUG. 18	100.30H
NOV. 6	98.26H	FEB. 1	95.71J	APR. 25	98.42	AUG. 20	100.32
NOV. 10	98.15	FEB. 5	95.81	APR. 30	98.40	AUG. 25	100.49
NOV. 15	98.03	FEB. 10	96.03	MAY 5	98.25	AUG. 30	100.58J
NOV. 20	97.86	FEB. 15	96.69	MAY 10	98.27	AUG. 31	100.51
NOV. 25	97.58	FEB. 20	97.17	MAY 15	98.27	SEP. 5	100.45
NOV. 30	97.30	FEB. 25	97.59	MAY 20	98.20	SEP. 10	100.36
DEC. 5	97.09	FEB. 26	97.78H	MAY 25	98.17	SEP. 15	100.21J
DEC. 9	96.80J	FEB. 28	97.79	MAY 31	98.15	SEP. 20	100.27
DEC. 10	96.74H	MAR. 5	97.93	JUNE 5	97.92	SEP. 25	100.28
DEC. 15	96.64	MAR. 10	98.29	JUNE 10	98.29H	SEP. 30	100.36
DEC. 20	96.50	MAR. 15	98.36	JULY 6	99.11H		

305945092375001 LOCAL WELL NUMBER: R-601

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 1S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 100 FT, SCREENED 95-100. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 170.40 FT NGVD.
HIGHEST WATER LEVEL 49.04 BELOW LSD, SEP. 10, 1975,
LOWEST WATER LEVEL 52.92 BELOW LSD, JAN. 7, 1972.
RECORDS AVAILABLE 1954-63, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1981	51.80						

310740092380201 LOCAL WELL NUMBER: R-847

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING COLLAR, 0.50 FT ABOVE LSD.
LSD 192.90 FT NGVD.
HIGHEST WATER LEVEL 37.57 BELOW LSD, MAY 15, 1968, MAY 20, 1968,
LOWEST WATER LEVEL 60.12 BELOW LSD, AUG. 21, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1980	49.23H	DEC. 31, 1980	56.79	MAR. 30, 1981	57.97	JULY 4, 1981	59.36J
OCT. 2	49.20J	JAN. 5, 1981	56.91	APR. 5	58.18	JULY 5	58.12
OCT. 4	49.20J	JAN. 6	56.92J	APR. 10	58.06	JULY 10	59.29
OCT. 5	49.27	JAN. 9	55.86J	APR. 15	58.31	JULY 15	59.53
OCT. 10	49.26	JAN. 10	56.51	APR. 16	58.27H	JULY 20	59.69
OCT. 15	49.29	JAN. 15	56.53	APR. 20	57.64	JULY 25	59.80
OCT. 20	49.37	JAN. 20	56.60	APR. 22	55.71J	JULY 31	59.92
OCT. 25	49.42	JAN. 21	56.96H	APR. 25	58.21	AUG. 5	57.49J
OCT. 31	49.42	JAN. 25	56.78	APR. 30	58.56	AUG. 10	59.70
NOV. 4	49.74J	JAN. 31	56.67J	MAY 4	58.76J	AUG. 15	59.98
NOV. 5	49.52H	FEB. 5	56.98	MAY 5	58.13	AUG. 19	60.01H
NOV. 6	49.48J	FEB. 10	57.04	MAY 10	58.51	AUG. 20	60.11
NOV. 10	53.56	FEB. 15	57.16	MAY 15	57.85	AUG. 21	60.12J
NOV. 15	54.29	FEB. 20	57.44	MAY 20	58.38	AUG. 25	56.98
NOV. 20	54.79	FEB. 25	57.61	MAY 25	57.77	AUG. 30	56.21
NOV. 25	55.16	FEB. 28	57.67	MAY 31	57.74	SEP. 5	55.93
NOV. 30	55.54	MAR. 4	57.78J	JUNE 5	57.19	SEP. 9	55.77J
DEC. 5	55.77	MAR. 5	57.07	JUNE 9	55.72H	SEP. 10	56.52
DEC. 10	56.11	MAR. 6	57.65J	JUNE 10	56.90	SEP. 15	59.00
DEC. 15	56.29	MAR. 10	57.81	JUNE 15	58.85	SEP. 20	58.57
DEC. 16	56.32H	MAR. 15	57.87	JUNE 20	59.09	SEP. 25	59.64
DEC. 20	56.47	MAR. 20	57.89	JUNE 25	59.22	SEP. 30	60.06
DEC. 25	56.60	MAR. 25	57.95	JUNE 30	59.27		

See footnotes at end of table.

310728092394201 LOCAL WELL NUMBER: R-848

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 105 FT, SCREENED 102-105. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 206.80 FT NGVD.
HIGHEST WATER LEVEL 54.38 BELOW LSD, MAY 21, 1968.
LOWEST WATER LEVEL 63.83 BELOW LSD, DEC. 20, 1971.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1980	61.08	JAN. 21, 1981	61.53	APR. 14, 1981	61.91	AUG. 19, 1981	61.40
DEC. 16	61.56	MAR. 5	62.62	JUNE 9	60.78	SEP. 18	63.20

310612092355301 LOCAL WELL NUMBER: R-849

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 2N., R. 2W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 193.09 FT NGVD.
HIGHEST WATER LEVEL 42.10 BELOW LSD, MAY 10, 1968.
LOWEST WATER LEVEL 56.14 BELOW LSD, NOV. 10, 1971.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1980	50.15H	DEC. 25, 1980	49.25	MAR. 31, 1981	50.00	JUNE 20, 1981	51.07
OCT. 5	50.30	DEC. 29	48.85J	APR. 1	49.89J	JUNE 25	51.24
OCT. 10	50.46	DEC. 31	49.16	APR. 5	50.16	JUNE 30	51.36
OCT. 15	50.61	JAN. 5, 1981	49.45	APR. 10	50.28	JULY 2	51.41J
OCT. 19	50.73J	JAN. 10	49.53	APR. 15	50.40	JULY 5	50.95
OCT. 20	50.73	JAN. 15	49.57	APR. 16	50.48H	JULY 6	50.70H
OCT. 25	49.50	JAN. 20	49.62	APR. 20	50.48	JULY 7	51.15J
OCT. 31	49.18	JAN. 25	49.69	APR. 22	50.15J	JULY 10	50.85
NOV. 3	49.13J	JAN. 29	49.72H	APR. 25	50.49	JULY 15	50.73
NOV. 4	49.13J	JAN. 31	49.81	APR. 30	50.71	JULY 20	50.70
NOV. 5	49.16	FEB. 5	49.80	MAY 5	50.72	JULY 23	50.68J
NOV. 10	49.17	FEB. 10	49.83	MAY 10	50.94	JULY 25	50.69
NOV. 15	49.10	FEB. 15	49.94	MAY 12	51.27J	AUG. 19	50.70H
NOV. 20	49.22	FEB. 20	49.96	MAY 15	50.99	AUG. 20	50.75
NOV. 25	49.25	FEB. 25	50.05	MAY 20	51.01	AUG. 25	50.87
NOV. 30	49.20	FEB. 28	50.07	MAY 25	51.06	AUG. 31	50.95
DEC. 5	49.32	MAR. 3	50.09J	MAY 31	51.02	SEP. 5	51.01
DEC. 10	49.42	MAR. 5	50.14	JUNE 5	50.56	SEP. 10	51.07
DEC. 14	49.48J	MAR. 10	50.11	JUNE 9	50.28H	SEP. 15	51.12
DEC. 15	49.47	MAR. 15	50.11	JUNE 10	50.41	SEP. 20	51.23J
DEC. 16	49.48H	MAR. 20	50.16	JUNE 12	50.34J	SEP. 25	51.00
DEC. 20	49.51	MAR. 25	50.22	JUNE 15	50.81	SEP. 30	51.20

310812092415101 LOCAL WELL NUMBER: R-850

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 116 FT, SCREENED 113-116. MP TOP OF CASING, AT LSD (SINCE 9/25/81).
LSD 225.89 FT NGVD.
HIGHEST WATER LEVEL 56.93 BELOW LSD, JUNE 3, 1977.
LOWEST WATER LEVEL 62.26 BELOW LSD, OCT. 19, 1971.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 25, 1981	59.58						

310928092421401 LOCAL WELL NUMBER: R-851

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 131 FT, SCREENED 128-131. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 220.55 FT NGVD.
HIGHEST WATER LEVEL 52.48 BELOW LSD, JUNE 25, 1976, JULY 20, 1976.
LOWEST WATER LEVEL 56.79 BELOW LSD, APR. 6, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1980	52.93	MAR. 5, 1981	53.56	JUNE 9, 1981	52.79	SEP. 18, 1981	54.20

See footnotes at end of table.

311655092192101 LOCAL WELL NUMBER: R-861

OWNER: BODCAW CO. (SEC. 42, T. 4N., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 87 FT, SCREENED 76-87. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 128.47 FT NGVD.
HIGHEST WATER LEVEL 43.09 BELOW LSD, MAY 21, 1966,
LOWEST WATER LEVEL 45.48 BELOW LSD, JAN. 15, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 12, 1981	44.35						

310734092373801 LOCAL WELL NUMBER: R-868

OWNER: CITY OF ALEXANDRIA, (SEC. 25, T. 2N., R. 3W.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 104 FT, SCREENED 99-104. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 225.89 FT NGVD.
HIGHEST WATER LEVEL 34.14 BELOW LSD, APR. 30, 1968,
LOWEST WATER LEVEL 57.37 BELOW LSD, SEP. 29, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1980	49.54H	JAN. 1, 1981	51.08	MAR. 31, 1981	53.79	JULY 4, 1981	56.10J
OCT. 5	49.59	JAN. 5	50.52	APR. 5	54.21	JULY 5	55.92
OCT. 6	49.39J	JAN. 10	50.51	APR. 10	54.49	JULY 7	55.62H
OCT. 10	49.81	JAN. 15	50.40	APR. 15	54.75	JULY 10	56.10
OCT. 15	49.92	JAN. 18	50.27J	APR. 16	54.87H	JULY 15	56.29
OCT. 20	50.14	JAN. 20	50.83	APR. 20	54.98	JULY 20	56.35
OCT. 25	49.53	JAN. 25	50.81	APR. 25	55.19	JULY 25	56.52
OCT. 31	49.84	JAN. 29	50.75H	APR. 30	54.54J	JULY 31	56.67
NOV. 5	49.87H	JAN. 31	50.73	MAY 5	54.76	AUG. 5	56.86
NOV. 10	49.74	FEB. 1	50.67J	MAY 10	54.81	AUG. 10	56.99
NOV. 11	49.57J	FEB. 5	50.79	MAY 15	55.11	AUG. 15	57.10
NOV. 12	49.57J	FEB. 10	50.84	MAY 20	55.31	AUG. 19	57.18H
NOV. 15	49.87	FEB. 15	50.96	MAY 25	55.12	AUG. 20	57.22
NOV. 20	49.96	FEB. 20	51.49	MAY 30	55.39	AUG. 25	57.33
NOV. 25	49.87	FEB. 22	52.11J	JUNE 4	55.55J	AUG. 31	57.25
NOV. 30	50.24	FEB. 25	52.60	JUNE 5	55.47	SEP. 5	57.21
DEC. 5	50.17	FEB. 28	52.27	JUNE 9	55.21H	SEP. 10	57.04
DEC. 10	50.70	MAR. 5	52.33	JUNE 10	55.44	SEP. 11	56.98J
DEC. 15	50.97	MAR. 9	51.87J	JUNE 11	55.40J	SEP. 15	57.17
DEC. 16	50.76H	MAR. 10	52.01	JUNE 15	55.44	SEP. 20	57.25
DEC. 20	50.63	MAR. 15	52.76	JUNE 20	55.69	SEP. 25	57.07
DEC. 25	50.52	MAR. 20	52.73	JUNE 25	55.76	SEP. 29	57.37J
DEC. 31	50.87	MAR. 25	52.95	JUNE 30	55.93	SEP. 30	57.32

312409092520901 LOCAL WELL NUMBER: R-879

OWNER: U. S. GEOL. SURVEY, (SEC. 22, T. 5N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 810 FT, SCREENED 800-810. MP TOP OF CASING, 3.90 FT ABOVE LSD.
LSD 300.00 FT NGVD.
HIGHEST WATER LEVEL 209.43 BELOW LSD, APR. 8, 1969,
LOWEST WATER LEVEL 216.70 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	216.70						

312339092094501 LOCAL WELL NUMBER: R-893

OWNER: LA. OFFICE PUBLIC WORKS, (SEC. 22, T. 5N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 820 FT, SCREENED 810-820. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 60.00 FT NGVD.
HIGHEST WATER LEVEL 28.23 BELOW LSD, APR. 15, 1970,
LOWEST WATER LEVEL 69.58 BELOW LSD, JULY 15, 1980.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1980	62.96	MAR. 4, 1981	68.10	MAY 28, 1981	54.60	AUG. 13, 1981	57.76
DEC. 10	63.87	APR. 13	68.33	JULY 8	52.40	SEP. 17	52.55
JAN. 27, 1981	68.80	MAY 26	63.10				

See footnotes at end of table.

310522092305401 LOCAL WELL NUMBER: R-1015

OWNER: U. S. GEOL. SURVEY, (SEC. 6, T. 1N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 165.00 FT NGVD.
HIGHEST WATER LEVEL 36.07 BELOW LSD, MAR. 21, 1974,
LOWEST WATER LEVEL 45.12 BELOW LSD, SEP. 21, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1980	41.74	JAN. 29, 1981	40.80	APR. 16, 1981	44.21	AUG. 19, 1981	44.84
DEC. 16	43.11	MAR. 5	44.10	JUNE 9	43.68	SEP. 21	45.12

310404092313001 LOCAL WELL NUMBER: R-1016

OWNER: U. S. GEOL. SURVEY, (SEC. 12, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 31.94 BELOW LSD, JUNE 24, 1976,
LOWEST WATER LEVEL 35.75 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	35.75						

310329092320801 LOCAL WELL NUMBER: R-1017

OWNER: U. S. GEOL. SURVEY, (SEC. 14, T. 1N., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 185.00 FT NGVD.
HIGHEST WATER LEVEL 40.88 BELOW LSD, MAY 19, 1976,
LOWEST WATER LEVEL 44.70 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	44.70						

310340092332801 LOCAL WELL NUMBER: R-1018

OWNER: U. S. GEOL. SURVEY, (SEC. 15, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 138 FT, SCREENED 135-138. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 59.26 BELOW LSD, JUNE 17, 1974,
LOWEST WATER LEVEL 65.30 BELOW LSD, SEP. 21, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 21, 1981	65.30						

310125092324801 LOCAL WELL NUMBER: R-1019

OWNER: U. S. GEOL. SURVEY, (SEC. 35, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 150.00 FT NGVD.
HIGHEST WATER LEVEL 44.77 BELOW LSD, MAY 9, 1974,
LOWEST WATER LEVEL 50.60 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	50.60						

310008092340801 LOCAL WELL NUMBER: R-1020

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1S., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 24 FT, SCREENED 21-24. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 60.00 FT NGVD.
HIGHEST WATER LEVEL 4.14 BELOW LSD, MAR. 9, 1977.
LOWEST WATER LEVEL 7.62 BELOW LSD, SEP. 21, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	6.90						

310131092345901 LOCAL WELL NUMBER: R-1021

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 155.00 FT NGVD.
HIGHEST WATER LEVEL 42.68 BELOW LSD, MAY 9, 1974.
LOWEST WATER LEVEL 49.70 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1980	47.13	MAR. 5, 1981	48.43	JUNE 9, 1981	49.11	AUG. 19, 1981	49.42
DEC. 16	47.61	APR. 16	48.70	JULY 7	49.20	SEP. 18	49.70
JAN. 29, 1981	47.80						

310303092355401 LOCAL WELL NUMBER: R-1022

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 170.00 FT NGVD.
HIGHEST WATER LEVEL 35.59 BELOW LSD, MAR. 21, 1974.
LOWEST WATER LEVEL 44.45 BELOW LSD, AUG. 26, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1980	40.72	JULY 7, 1981	43.53	AUG. 26, 1981	44.45	SEP. 18, 1981	44.18
DEC. 16	41.36	AUG. 19	43.85				

310403092370702 LOCAL WELL NUMBER: R-1024A

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 16 FT, SCREENED 13-16. MP TOP OF CASING, 4.03 FT ABOVE LSD.
LSD 115.00 FT NGVD.
HIGHEST WATER LEVEL 0.68 BELOW LSD, APR. 23, 1979.
LOWEST WATER LEVEL 5.77 BELOW LSD, AUG. 26, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1980	4.38	JAN. 29, 1981	4.12	AUG. 19, 1981	4.77	SEP. 18, 1981	4.85
DEC. 16	4.30	MAR. 5	2.47	AUG. 26	5.77		

310403092370701 LOCAL WELL NUMBER: R-1024B

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 115.00 FT NGVD.
HIGHEST WATER LEVEL 0.20 ABOVE LSD, JAN. 24, 1980.
LOWEST WATER LEVEL 4.58 BELOW LSD, AUG. 26, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1980	3.42	JAN. 29, 1981	3.47	AUG. 26, 1981	4.58	SEP. 18, 1981	3.98
DEC. 16	3.31	AUG. 19	3.93				

310421092351001 LOCAL WELL NUMBER: R-1026

OWNER: U. S. GEOL. SURVEY. (SEC. 9, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 116 FT, SCREENED 113-116. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 47.37 BELOW LSD, MAR. 21, 1974.
LOWEST WATER LEVEL 53.20 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	53.20						

310510092344601 LOCAL WELL NUMBER: R-1027

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 148 FT, SCREENED 145-148. MP TOP OF CASING, 5.00 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 70.13 BELOW LSD, OCT. 29, 1975.
LOWEST WATER LEVEL 76.90 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	76.90						

310555092381401 LOCAL WELL NUMBER: R-1028

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 63 FT, SCREENED 60-63. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 6.71 BELOW LSD, MAR. 19, 1976.
LOWEST WATER LEVEL 9.80 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	9.80						

310635092391602 LOCAL WELL NUMBER: R-1029A

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 22 FT, SCREENED 19-22. MP TOP OF CASING, 2.61 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 6.55 BELOW LSD, MAY 3, 1977.
LOWEST WATER LEVEL 11.67 BELOW LSD, MAY 12, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1980	10.93	MAR. 5, 1981	9.27	JUNE 9, 1981	10.07	AUG. 19, 1981	11.50
DEC. 16	10.87	APR. 14	11.21	JULY 7	11.08	SEP. 18	11.64
JAN. 29, 1981	11.04						

310635092391601 LOCAL WELL NUMBER: R-1029B

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, 2.73 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 6.84 BELOW LSD, MAY 3, 1977.
LOWEST WATER LEVEL 11.55 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1980	10.60	MAR. 5, 1981	8.59	JUNE 9, 1981	8.55	AUG. 19, 1981	11.30
DEC. 16	10.56	APR. 14	11.04	JULY 7	10.80	SEP. 18	11.55
JAN. 29, 1981	10.75						

RAPIDES PARISH

310552092410301 LOCAL WELL NUMBER: R-1030

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 134 FT, SCREENED 131-134. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 66.89 BELOW LSD, OCT. 29, 1975,
LOWEST WATER LEVEL 71.70 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	71.70						

310436092430201 LOCAL WELL NUMBER: R-1031

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 1N., R. 3W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 95 FT, SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 0.26 ABOVE LSD, FEB. 22, 1979,
LOWEST WATER LEVEL 8.57 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1980	8.05	JAN. 29, 1981	7.30	JULY 7, 1981	3.59	SEP. 18, 1981	8.57
DEC. 16	7.12	APR. 14	7.18	AUG. 19	8.18		

310919092385701 LOCAL WELL NUMBER: R-1032

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 116 FT, SCREENED 113-116. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 240.00 FT NGVD.
HIGHEST WATER LEVEL 87.08 BELOW LSD, AUG. 18, 1976,
LOWEST WATER LEVEL 90.35 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	90.35						

310927092374001 LOCAL WELL NUMBER: R-1033

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 175.00 FT NGVD.
HIGHEST WATER LEVEL 34.77 BELOW LSD, NOV. 13, 1975,
LOWEST WATER LEVEL 41.50 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	41.50						

310808092374001 LOCAL WELL NUMBER: R-1034

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 95 FT, SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 38.58 BELOW LSD, NOV. 13, 1975,
LOWEST WATER LEVEL 48.83 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	48.83						

RAPIDES PARISH

310806092351801 LOCAL WELL NUMBER: R-1035

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 127 FT, SCREENED 124-127. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 73.63 BELOW LSD, NOV. 10, 1977.
LOWEST WATER LEVEL 79.55 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1981	79.55						

305944092402201 LOCAL WELL NUMBER: R-1045

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1S., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 63 FT, SCREENED 60-63. MP TOP OF CASING, 11.50 FT ABOVE LSD. WELL DESTROYED 6/81.
LSD 120.00 FT NGVD.
HIGHEST WATER LEVEL 1.70 ABOVE LSD, MAR. 7, 1977.
LOWEST WATER LEVEL 8.10 BELOW LSD, NOV. 1, 1978.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	7.70	DEC. 5, 1980	7.08	MAR. 3, 1981	6.14	MAY 26, 1981	6.85

311159092441001 LOCAL WELL NUMBER: R-1056

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 1555 FT, SCREENED 1545-1555. MP TOP OF CASING, 3.20 FT ABOVE LSD.
LSD 240.00 FT NGVD.
HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977.
LOWEST WATER LEVEL 192.12 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	189.25	MAR. 6, 1981	186.83	MAY 26, 1981	187.70	AUG. 18, 1981	190.31
DEC. 5	187.25	APR. 17	186.26	JULY 8	188.62	SEP. 18	192.12
JAN. 22, 1981	187.57						

310541092293601 LOCAL WELL NUMBER: R-10858

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 500 FT, SCREENED 490-500. MP TOP OF CASING, AT LSD.
LSD 100.00 FT NGVD.
HIGHEST WATER LEVEL 38.60 BELOW LSD, MAY 20, 1975.
LOWEST WATER LEVEL 52.72 BELOW LSD, SEP. 21, 1981.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 21, 1981	52.72						

RED RIVER PARISH

320019093225601 LOCAL WELL NUMBER: RR-141

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 12N., R. 10W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 42 FT, SCREENED 39-42. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 128.19 FT NGVD.
HIGHEST WATER LEVEL 1.18 BELOW LSD, JUNE 12, 1975.
LOWEST WATER LEVEL 20.76 BELOW LSD, FEB. 2, 1957.
RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1980	12.95	FEB. 3, 1981	14.60	MAY 5, 1981	14.40	AUG. 7, 1981	13.23
NOV. 6	13.66	MAR. 2	14.32	JUNE 1	14.60	SEP. 8	13.25
DEC. 4	13.77	MAR. 23	14.10	JULY 6	12.50	SEP. 14	14.24
JAN. 7, 1981	14.20						

RED RIVER PARISH

321010093143901 LOCAL WELL NUMBER: RR-274

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 14N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 206 FT, SCREENED 196-206. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 235.00 FT NGVD.
HIGHEST WATER LEVEL 58.04 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 61.63 BELOW LSD, AUG. 28, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1980	60.93	JAN. 21, 1981	61.08	JUNE 16, 1981	60.76	AUG. 28, 1981	61.63
DEC. 18	60.98	MAR. 10	61.07	JULY 13	61.03		

321010093143902 LOCAL WELL NUMBER: RR-276

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 14N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 42 FT, SCREENED 39-42. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 235.00 FT NGVD.
HIGHEST WATER LEVEL 21.64 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 26.08 BELOW LSD, AUG. 28, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1980	25.23	JAN. 21, 1981	25.83	JUNE 16, 1981	24.52	AUG. 28, 1981	26.08
DEC. 18	25.55	MAR. 10	25.48	JULY 13	25.14		

RICHLAND PARISH

322956091441001 LOCAL WELL NUMBER: RI-88

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN, DEPTH 239 FT, SCREENED 228-239. MP TOP OF 4-IN COLLAR, 3.60 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 17.00 BELOW LSD, MAY 21, 1975.
LOWEST WATER LEVEL 20.45 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1981	19.84	SEP. 22, 1981	20.37				

323029091430001 LOCAL WELL NUMBER: RI-89

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 300 FT, SCREENED 290-300. MP TOP OF CASING, 4.20 FT ABOVE LSD.
LSD 84.00 FT NGVD.
HIGHEST WATER LEVEL 17.75 BELOW LSD, MAY 21, 1975.
LOWEST WATER LEVEL 21.23 BELOW LSD, SEP. 10, 1969.
RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1981	19.84	SEP. 22, 1981	20.59				

322706091453401 LOCAL WELL NUMBER: RI-91

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.90 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 10.27 BELOW LSD, MAY 21, 1975.
LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1981	11.65	SEP. 22, 1981	12.80				

322706091453402 LOCAL WELL NUMBER: RI-92

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 153 FT, SCREENED 143-153. MP TOP OF HOLE IN CASING CAP, 4.30 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 10.21 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1981	11.64	SEP. 22, 1981	12.78				

322804091375002 LOCAL WELL NUMBER: RI-93A

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 17N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 15.09 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 18.25 BELOW LSD, JULY 20, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1981	16.97	SEP. 22, 1981	17.75				

323304091374301 LOCAL WELL NUMBER: RI-94

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 18N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 345 FT, SCREENED 335-345. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 11.87 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 14.23 BELOW LSD, AUG. 25, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1981	13.17	SEP. 22, 1981	14.22				

323217091295002 LOCAL WELL NUMBER: RI-95A

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 200 FT, SCREENED 190-200. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 23.76 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 25.53 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1981	24.00	SEP. 22, 1981	24.48				

323003091301301 LOCAL WELL NUMBER: RI-96

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 170 FT, SCREENED 160-170. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 15.30 BELOW LSD, MAR. 5, 1980.
LOWEST WATER LEVEL 17.34 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1981	15.75	SEP. 22, 1981	16.32				

RICHLAND PARISH

322750091350501 LOCAL WELL NUMBER: RI-97

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 17N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 13.98 BELOW LSD, MAY 21, 1975.
LOWEST WATER LEVEL 17.48 BELOW LSD, AUG. 25, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1981	16.56	SEP. 22, 1981	17.20				

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 67 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978.
LOWEST WATER LEVEL 34.91 BELOW LSD, SEP. 22, 1981.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 9, 1981	34.43	SEP. 22, 1981	34.91				

322636091295702 LOCAL WELL NUMBER: RI-114

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 17N., R. 9E.) DRILLED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, 4.35 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 31.91 BELOW LSD, AUG. 7, 1975.
LOWEST WATER LEVEL 34.95 BELOW LSD, DEC. 4, 1972.
RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1981	33.21	SEP. 22, 1981	33.61				

322605091301101 LOCAL WELL NUMBER: RI-124

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 17N., R. 9E.) BORED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 30.75 BELOW LSD, AUG. 20, 1979.
LOWEST WATER LEVEL 33.90 BELOW LSD, DEC. 1, 1978, SEP. 22, 1981.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 9, 1981	33.45	SEP. 22, 1981	33.90				

SABINE PARISH

313510093282101 LOCAL WELL NUMBER: SA-103

OWNER: LOUIS ALFORD. (SEC. 14, T. 7N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 10 IN, DEPTH 170 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.80 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 3.34 BELOW LSD, MAR. 21, 1961.
LOWEST WATER LEVEL 16.93 BELOW LSD, JULY 25, 1955.
RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	15.00	MAR. 5, 1981	13.80	JUNE 2, 1981	14.53	SEP. 21, 1981	15.76

314708093385201 LOCAL WELL NUMBER: SA-163

OWNER: SABINE PARISH SCHOOL BOARD. (SEC. 12, T. 9N., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 6 IN. DEPTH 200 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 83.29 BELOW LSD, MAY 31, 1979.
LOWEST WATER LEVEL 89.80 BELOW LSD, JUNE 25, 1963.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1980	87.56	MAR. 10, 1981	87.50	JUNE 2, 1981	85.94	SEP. 21, 1981	86.63

312243093240501 LOCAL WELL NUMBER: SA-287

OWNER: A. J. HODGES. (SEC. 28, T. 5N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE. DIAM 6 IN. DEPTH 208 FT. SCREENED 178-208. MP 1/2-IN HOLE IN SANITARY SEAL, 1.20 FT ABOVE LSD.
LSD 310.00 FT NGVD.
HIGHEST WATER LEVEL 64.02 BELOW LSD, DEC. 17, 1958.
LOWEST WATER LEVEL 70.20 BELOW LSD, FEB. 12, 1973.
RECORDS AVAILABLE 1958, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 21, 1981	65.47						

311828093270301 LOCAL WELL NUMBER: SA-386

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 4N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE. DIAM 2 IN. DEPTH 131 FT. SCREENED 126-131. MP TOP OF CASING, 2.20 FT ABOVE LSD.
LSD 242.00 FT NGVD.
HIGHEST WATER LEVEL 12.78 BELOW LSD, APR. 24, 1973.
LOWEST WATER LEVEL 17.73 BELOW LSD, OCT. 29, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	17.73	MAR. 4, 1981	17.23	JUNE 2, 1981	16.73	AUG. 27, 1981	16.38
DEC. 9	17.70	APR. 16	17.13	JULY 15	15.29	SEP. 21	16.76
JAN. 28, 1981	17.67						

311930093312001 LOCAL WELL NUMBER: SA-387

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE. DIAM 2 IN. DEPTH 402 FT. SCREENED 397-402. MP TOP OF CASING, 1.45 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 39.59 BELOW LSD, JUNE 4, 1969.
LOWEST WATER LEVEL 67.86 BELOW LSD, OCT. 28, 1965.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	44.62	MAR. 5, 1981	44.67	JUNE 2, 1981	44.04	AUG. 27, 1981	43.79
DEC. 9	44.56	APR. 16	45.53	JULY 15	41.79	SEP. 21	44.63
JAN. 28, 1981	44.67						

311930093312002 LOCAL WELL NUMBER: SA-388

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE. DIAM 2 IN. DEPTH 265 FT. SCREENED 260-265. MP TOP OF CASING, 1.20 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 40.28 BELOW LSD, JAN. 31, 1974.
LOWEST WATER LEVEL 65.18 BELOW LSD, OCT. 28, 1965.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	43.93	MAR. 5, 1981	43.76	JUNE 2, 1981	43.39	AUG. 27, 1981	42.96
DEC. 9	43.89	APR. 16	43.94	JULY 15	41.34	SEP. 21	43.07
JAN. 28, 1981	44.04						

SABINE PARISH

312314093352901 LOCAL WELL NUMBER: SA-389

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 5N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.30 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 70.58 BELOW LSD, MAR. 27, 1969.
LOWEST WATER LEVEL 77.49 BELOW LSD, FEB. 2, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	74.64	MAR. 5, 1981	74.45	JUNE 2, 1981	74.09	SEP. 21, 1981	73.35

312604093315801 LOCAL WELL NUMBER: SA-390

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 362 FT, SCREENED 357-362. MP TOP OF CASING, 0.70 FT ABOVE LSD.
LSD 325.00 FT NGVD.
HIGHEST WATER LEVEL 115.30 BELOW LSD, MAY 28, 1980.
LOWEST WATER LEVEL 117.52 BELOW LSD, DEC. 5, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	115.93	MAR. 4, 1981	115.64	JUNE 2, 1981	115.82	SEP. 21, 1981	116.22

312329093295201 LOCAL WELL NUMBER: SA-391

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.65 FT ABOVE LSD.
LSD 240.00 FT NGVD.
HIGHEST WATER LEVEL 0.28 ABOVE LSD, APR. 26, 1966.
LOWEST WATER LEVEL 4.85 BELOW LSD, OCT. 6, 1971.
RECORDS AVAILABLE 1965-74, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1980	1.12	MAR. 4, 1981	0.03	JUNE 1, 1981	0.12	SEP. 21, 1981	0.30

312206093311001 LOCAL WELL NUMBER: SA-392

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 544 FT, SCREENED 539-544. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 242.00 FT NGVD.
HIGHEST WATER LEVEL 23.79 BELOW LSD, JULY 3, 1975.
LOWEST WATER LEVEL 26.30 BELOW LSD, NOV. 13, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	25.03	MAR. 4, 1981	24.52	JUNE 2, 1981	24.66	AUG. 27, 1981	24.93
DEC. 9	24.96	APR. 15	24.85	JULY 15	24.59	SEP. 21	24.85
JAN. 28, 1981	24.85						

313748093451001 LOCAL WELL NUMBER: SA-394

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 8N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 278 FT, SCREENED 273-278. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 265.00 FT NGVD.
HIGHEST WATER LEVEL 106.74 BELOW LSD, APR. 9, 1975.
LOWEST WATER LEVEL 118.85 BELOW LSD, OCT. 4, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 21, 1981	110.33						

SABINE PARISH

314620093460801   LOCAL WELL NUMBER: SA-395

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 9N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 293 FT, SCREENED 288-293. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL   1.03 ABOVE LSD, JUNE 5, 1968,
LOWEST WATER LEVEL   4.80 BELOW LSD, OCT. 30, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1980	4.80	MAR. 10, 1981	4.30	JUNE 1, 1981	4.37	AUG. 25, 1981	4.78
DEC. 11	4.45	APR. 15	4.26	JULY 14	4.08	SEP. 21	4.75
JAN. 27, 1981	4.53						

312748093393801   LOCAL WELL NUMBER: SA-462

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 6N., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 178 FT, SCREENED 168-178. MP TOP OF CASING, 3.94 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 102.69 BELOW LSD, MAR. 12, 1980,
LOWEST WATER LEVEL 103.71 BELOW LSD, APR. 15, 1981.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	103.46	MAR. 5, 1981	103.26	JUNE 2, 1981	103.45	AUG. 27, 1981	103.45
DEC. 9	103.22	APR. 15	103.71	JULY 15	103.46	SEP. 21	103.48
JAN. 28, 1981	103.43						

312725093325301   LOCAL WELL NUMBER: SA-465

OWNER: U. S. GEOL. SURVEY. (SEC. 39, T. 6N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 80 FT, SCREENED 70-80. MP TOP OF CASING, 4.04 FT ABOVE LSD.
LSD 265.00 FT NGVD.
HIGHEST WATER LEVEL   39.55 BELOW LSD, MAY 28, 1980,
LOWEST WATER LEVEL   46.48 BELOW LSD, SEP. 21, 1981.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	45.57	MAR. 5, 1981	45.58	JUNE 2, 1981	45.83	AUG. 28, 1981	46.33
DEC. 9	45.49	APR. 15	46.05	JULY 15	45.57	SEP. 21	46.48
JAN. 28, 1981	45.77						

ST. LANDRY PARISH

303108092041201   LOCAL WELL NUMBER: SL-37

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 629 FT, SCREENED 624-629. MP TOP INSIDE EDGE OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD   60.00 FT NGVD.
HIGHEST WATER LEVEL   68.56 BELOW LSD, JUNE 7, 1966,
LOWEST WATER LEVEL   96.87 BELOW LSD, SEP. 22, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1980	96.03	JAN. 21, 1981	95.65	APR. 16, 1981	95.65	JULY 22, 1981	95.80
NOV. 20	96.28	FEB. 18	95.08	MAY 27	95.00	AUG. 24	96.25
DEC. 23	95.97	MAR. 18	95.15	JUNE 17	95.15	SEP. 23	85.38

304645091492501   LOCAL WELL NUMBER: SL-171

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 3S., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 89 FT, SCREENED 84-89. MP TOP OF 4-IN CASING, 1.60 FT ABOVE LSD.
LSD   30.83 FT NGVD.
HIGHEST WATER LEVEL   0.92 BELOW LSD, MAY 16, 1973,
LOWEST WATER LEVEL   20.32 BELOW LSD, NOV. 4, 1963.
RECORDS AVAILABLE 1955-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	15.77						

ST. LANDRY PARISH

304116092083601   LOCAL WELL NUMBER: SL-179

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 40, T. 4S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 94 FT, SCREENED 91-94. MP TOP OF 1 1/4-IN PIPE, 3.50 FT ABOVE LSD.
LSD   55.00 FT NGVD.
HIGHEST WATER LEVEL   45.23 BELOW LSD, APR. 28, 1958.
LOWEST WATER LEVEL   55.29 BELOW LSD, FEB. 18, 1981.
RECORDS AVAILABLE 1958-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	55.29						

302443092062901   LOCAL WELL NUMBER: SL-193

OWNER: SUN OIL CO. (IRREG. SEC. 37, T. 7S., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 234 FT, SCREENED 214-234. MP TOP OF COUPLING, 2.59 FT ABOVE LSD.
LSD   47.84 FT NGVD.
HIGHEST WATER LEVEL   48.78 BELOW LSD, MAR. 30, 1962.
LOWEST WATER LEVEL   57.68 BELOW LSD, FEB. 20, 1981.
RECORDS AVAILABLE 1960-72, 1974-77, 1979, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 20, 1981	57.68						

303150092252101   LOCAL WELL NUMBER: SL-200

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 708 FT, SCREENED 703-708. MP TOP OF 2-IN CASING, 0.40 FT ABOVE LSD.
LSD   50.72 FT NGVD.
HIGHEST WATER LEVEL   68.57 BELOW LSD, APR. 26, 1966.
LOWEST WATER LEVEL   85.10 BELOW LSD, SEP. 23, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1980	82.94	JAN. 22, 1981	81.93	APR. 16, 1981	81.51	JULY 22, 1981	83.51
NOV. 20	82.84	FEB. 23	81.45	MAY 26	82.08	AUG. 24	84.29
DEC. 23	82.28	MAR. 18	81.23	JUNE 17	82.74	SEP. 23	85.10

303150092252102   LOCAL WELL NUMBER: SL-201

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 203 FT, SCREENED 197-203. MP TOP OF 2-IN CASING, 0.40 FT ABOVE LSD.
LSD   50.55 FT NGVD.
HIGHEST WATER LEVEL   79.08 BELOW LSD, MAR. 23, 1966.
LOWEST WATER LEVEL 114.14 BELOW LSD, JULY 25, 1973.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1980	97.90	JAN. 22, 1981	93.78	APR. 16, 1981	104.22	JULY 22, 1981	101.88
NOV. 20	96.42	FEB. 23	92.35	MAY 26	107.39	AUG. 24	101.38
DEC. 23	94.85	MAR. 18	97.86	JUNE 17	101.76	SEP. 23	101.24

303109092041901   LOCAL WELL NUMBER: SL-206

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 97-100. MP TOP INSIDE EDGE OF 1 1/4-IN CASING, 2.00 FT ABOVE LSD.
LSD   62.00 FT NGVD.
HIGHEST WATER LEVEL   64.73 BELOW LSD, JUNE 9, 1966.
LOWEST WATER LEVEL   70.85 BELOW LSD, SEP. 23, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1980	69.09	JAN. 21, 1981	69.51	APR. 16, 1981	69.85	JULY 22, 1981	70.38
NOV. 20	69.32	FEB. 18	69.19	MAY 27	69.82	AUG. 24	70.82
DEC. 23	69.23	MAR. 18	69.24	JUNE 17	70.03	SEP. 23	70.85

ST. LANDRY PARISH

303109092041902 LOCAL WELL NUMBER: SL-207

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 478 FT, SCREENED 472-478. MP TOP INSIDE EDGE OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 62.00 FT NGVD.
HIGHEST WATER LEVEL 66.28 BELOW LSD, MAR. 26, 1968,
LOWEST WATER LEVEL 78.76 BELOW LSD, APR. 16, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1980	76.67	JAN. 21, 1981	76.69	APR. 16, 1981	78.76	JULY 22, 1981	78.36
NOV. 20	76.65	FEB. 18	76.61	MAY 27	77.36	AUG. 24	78.71
DEC. 23	77.07	MAR. 18	76.55	JUNE 17	77.70	SEP. 23	77.98

303247091544301 LOCAL WELL NUMBER: SL-208

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 6S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/2 IN, DEPTH 132 FT, SCREENED 124-132. MP TOP INSIDE EDGE OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 18.00 FT NGVD.
HIGHEST WATER LEVEL 3.00 BELOW LSD, FEB. 26, 1974,
LOWEST WATER LEVEL 12.58 BELOW LSD, NOV. 18, 1969, FEB. 18, 1981.
RECORDS AVAILABLE 1966-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	12.58						

304232092094701 LOCAL WELL NUMBER: SL-220

OWNER: U. S. GEOL. SURVEY. (SEC. 110, T. 4S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 485 FT, SCREENED 475-485. MP TOP OF 2-IN CASING, 1.93 FT ABOVE LSD.
LSD 65.00 FT NGVD.
HIGHEST WATER LEVEL 49.90 BELOW LSD, APR. 25, 1967,
LOWEST WATER LEVEL 64.44 BELOW LSD, FEB. 18, 1981.
RECORDS AVAILABLE 1967-69, 1977-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	64.44						

TENSAS PARISH

320431091144801 LOCAL WELL NUMBER: TS-8

OWNER: E. R. MCDONALD. (SEC. 4, T. 13N., R. 12E.) DRILLED UNUSED SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 110 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 79.60 FT NGVD.
HIGHEST WATER LEVEL 2.05 BELOW LSD, MAY 30, 1979,
LOWEST WATER LEVEL 17.18 BELOW LSD, DEC. 18, 1956.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	14.04	MAR. 6, 1981	13.77	MAY 26, 1981	13.62	SEP. 17, 1981	14.88

314827091234001 LOCAL WELL NUMBER: TS-9

OWNER: CHICAGO MILL AND LUMBER CO. (SEC. 37, T. 10N., R. 10E.) DRILLED UNUSED SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 102 FT, SCREENED INTERVAL UNKNOWN. MP BOTTOM OF 3/4-IN HOLE ON SIDE OF CASING, 0.30 FT ABOVE LSD.
LSD 65.00 FT NGVD.
HIGHEST WATER LEVEL 0.71 ABOVE LSD, MAY 16, 1973,
LOWEST WATER LEVEL 25.38 BELOW LSD, DEC. 18, 1956.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	20.70	MAR. 6, 1981	20.59	MAY 26, 1981	17.94	SEP. 17, 1981	19.06

UNION PARISH

324417092090001 LOCAL WELL NUMBER: UN-26

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 10, T. 20N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN, DEPTH 750 FT, SCREENED 675-750. MP HOLE IN SIDE OF CASING, AT LSD (SINCE 9/17/80).
LSD 133.92 FT NGVD.
HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959,
LOWEST WATER LEVEL 179.63 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1980	178.68	MAR. 19, 1981	178.85	JUNE 18, 1981	179.07	AUG. 18, 1981	179.63

325028092113301 LOCAL WELL NUMBER: UN-78

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 727 FT, SCREENED 717-727. MP TOP OF CASING, 1.53 FT ABOVE LSD.
LSD 175.00 FT NGVD.
HIGHEST WATER LEVEL 178.85 BELOW LSD, MAR. 25, 1969,
LOWEST WATER LEVEL 197.93 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1969-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	196.91	AUG. 18, 1981	197.93				

324955092084001 LOCAL WELL NUMBER: UN-79

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 749 FT, SCREENED 739-749. MP TOP OF BUSHING, 3.40 FT ABOVE LSD.
LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 134.31 BELOW LSD, MAY 13, 1969,
LOWEST WATER LEVEL 148.18 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1981	147.00	AUG. 18, 1981	148.18				

324917092242001 LOCAL WELL NUMBER: UN-80

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 710 FT, SCREENED 700-710. MP TOP OF CASING, 3.75 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 183.65 BELOW LSD, OCT. 8, 1968,
LOWEST WATER LEVEL 214.70 BELOW LSD, AUG. 17, 1981.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1980	213.30	MAR. 2, 1981	213.50	JUNE 18, 1981	212.93	AUG. 17, 1981	214.70

324917092242002 LOCAL WELL NUMBER: UN-81

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 495 FT, SCREENED 485-495. MP TOP OF CASING, 3.83 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 182.27 BELOW LSD, MAR. 2, 1970,
LOWEST WATER LEVEL 220.36 BELOW LSD, AUG. 27, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1980	215.10	MAR. 2, 1981	217.08	JUNE 16, 1981	216.57	AUG. 17, 1981	219.77

325550092391601 LOCAL WELL NUMBER: UN-82

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 656 FT, SCREENED 646-656. MP TOP OF CASING, 4.00 FT ABOVE LSD (FORMERLY INCORRECTLY STATED AS 1.25 FT ABOVE LSD).
LSD 122.00 FT NGVD.
HIGHEST WATER LEVEL 117.57 BELOW LSD, SEP. 9, 1968.
LOWEST WATER LEVEL 151.07 BELOW LSD, AUG. 13, 1981.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 9, 1968	117.57	JUNE 1, 1971	125.54	MAY 14, 1975	134.28	SEP. 22, 1978	140.91
MAY 21, 1969	118.83	OCT. 18	126.18	JULY 30	134.93	OCT. 30	140.93
JULY 10	119.32	MAY 15, 1972	128.28	SEP. 5	135.10	NOV. 29	140.33
SEP. 11	120.37	SEP. 27	129.42	DEC. 10	136.45	MAR. 6, 1979	141.80
DEC. 3	121.20	DEC. 7	129.87	MAR. 17, 1976	137.05	JUNE 7	141.85
JAN. 2, 1970	121.65	MAR. 5, 1973	129.89	JUNE 3	137.08	SEP. 13	145.10
APR. 23	120.74	JULY 13	131.35	SEP. 7	140.55	DEC. 3	147.40
MAY 19	122.20	SEP. 10	132.30	DEC. 14	139.88	FEB. 22, 1980	144.35
JULY 17	123.00	JAN. 16, 1974	131.89	MAR. 16, 1977	138.86	MAY 20	143.03
AUG. 28	123.25	JUNE 4	132.56	MAY 3	135.39	AUG. 26	144.35
OCT. 15	124.13	SEP. 4	133.09	JUNE 7	137.98	DEC. 4	145.50
NOV. 19	123.91	SEP. 5	131.75	SEP. 6	138.29	MAR. 3, 1981	144.02
DEC. 7	124.38	NOV. 21	136.20	DEC. 20	139.27	JUNE 18	149.82
JAN. 19, 1971	124.57	JAN. 29, 1975	133.59	MAR. 9, 1978	139.66	AUG. 13	151.07
MAR. 3	124.90	MAY 1	134.27	JUNE 3	139.82		

325550092391602 LOCAL WELL NUMBER: UN-83

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 326 FT, SCREENED 316-326. MP TOP OF CASING, 3.88 FT ABOVE LSD.
LSD 122.00 FT NGVD.
HIGHEST WATER LEVEL 111.29 BELOW LSD, OCT. 8, 1968.
LOWEST WATER LEVEL 154.93 BELOW LSD, DEC. 4, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1980	154.93	MAR. 3, 1981	151.84	JUNE 18, 1981	152.21	AUG. 13, 1981	149.39

325647092241501 LOCAL WELL NUMBER: UN-84

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 696 FT, SCREENED 686-696. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 196.09 BELOW LSD, OCT. 17, 1968.
LOWEST WATER LEVEL 223.17 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1981	221.45	AUG. 18, 1981	223.17				

325938092203901 LOCAL WELL NUMBER: UN-85

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 407 FT, SCREENED 397-407. MP TOP OF CASING, 2.90 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 179.06 BELOW LSD, OCT. 17, 1968.
LOWEST WATER LEVEL 195.35 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1981	194.50	AUG. 18, 1981	195.35				

UNION PARISH

325929092114001 LOCAL WELL NUMBER: UN-86

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 655 FT, SCREENED 645-655. MP TOP OF CASING, 1.58 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 69.69 BELOW LSD, NOV. 12, 1968.
LOWEST WATER LEVEL 88.44 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	88.09	AUG. 18, 1981	88.44				

325929092114002 LOCAL WELL NUMBER: UN-87

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 283 FT, SCREENED 273-283. MP TOP OF CASING, 4.35 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 24.38 BELOW LSD, DEC. 16, 1968.
LOWEST WATER LEVEL 41.44 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	40.45	AUG. 18, 1981	41.44				

323655092211701 LOCAL WELL NUMBER: UN-134

OWNER: U. S. GEOL. SURVEY, (SEC. 22, T. 19N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 269.11 BELOW LSD, JUNE 14, 1979.
LOWEST WATER LEVEL 278.40 BELOW LSD, SEP. 28, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	276.45	MAR. 3, 1981	277.03	JUNE 16, 1981	276.58	AUG. 24, 1981	277.20
DEC. 4	276.75	APR. 22	277.13	JULY 9	277.18	SEP. 28	278.40
JAN. 22, 1981	277.25						

VERNON PARISH

310251093125501 LOCAL WELL NUMBER: V-108

OWNER: U. S. ARMY, FORT POLK, (SEC. 20, T. 1N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 8 IN, DEPTH 675 FT, SCREENED 640-675. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 305.27 FT NGVD.
HIGHEST WATER LEVEL 143.26 BELOW LSD, JULY 10, 1961.
LOWEST WATER LEVEL 214.14 BELOW LSD, JULY 25, 1981.
RECORDS AVAILABLE 1941, 1943, 1958-61, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1980	207.55H	JAN. 4, 1981	198.88J	APR. 10, 1981	204.50	JULY 2, 1981	213.32J
OCT. 5	207.57	JAN. 5	199.05	APR. 15	206.60	JULY 5	212.05
OCT. 10	208.35	JAN. 10	199.47	APR. 17	206.88H	JULY 8	211.24H
OCT. 12	208.62J	JAN. 15	199.74	APR. 20	207.31	JULY 10	211.52
OCT. 15	206.79	JAN. 20	199.71	APR. 25	204.48	JULY 15	211.65
OCT. 20	206.23	JAN. 22	199.51H	APR. 27	201.68J	JULY 20	212.78
OCT. 25	204.87	JAN. 25	200.23	APR. 30	205.78	JULY 25	214.14J
OCT. 31	203.57	JAN. 31	200.88	MAY 5	207.75	JULY 31	213.68
NOV. 3	202.62J	FEB. 5	200.38	MAY 10	209.25	AUG. 5	211.21
NOV. 4	202.14H	FEB. 10	200.85	MAY 15	210.29	AUG. 10	211.67
NOV. 5	202.53	FEB. 15	201.54	MAY 16	210.74J	AUG. 15	212.44
NOV. 10	201.93	FEB. 20	201.59	MAY 20	209.78	AUG. 18	212.43H
NOV. 15	201.69	FEB. 25	201.83	MAY 25	209.30	AUG. 20	212.75J
NOV. 20	201.31	FEB. 27	202.45J	MAY 26	207.60H	AUG. 25	212.09
NOV. 25	200.78	FEB. 28	202.28	MAY 27	205.00J	AUG. 31	211.66
NOV. 30	199.89J	MAR. 5	201.51	MAY 31	207.72	SEP. 5	210.99
DEC. 5	200.11H	MAR. 6	201.25H	JUNE 5	208.97	SEP. 8	210.09J
DEC. 10	200.51	MAR. 10	201.69	JUNE 10	209.47	SEP. 10	210.76
DEC. 15	201.52	MAR. 15	201.90	JUNE 15	209.97	SEP. 15	210.53
DEC. 16	201.95J	MAR. 20	200.38J	JUNE 20	211.82	SEP. 20	210.54
DEC. 20	200.81	MAR. 25	201.57	JUNE 25	213.02	SEP. 25	211.07
DEC. 25	200.15	MAR. 31	202.42	JUNE 30	212.82	SEP. 30	211.17
DEC. 31	199.73	APR. 5	202.97				

See footnotes at end of table.

310708093100901 LOCAL WELL NUMBER: V-126

OWNER: U. S. ARMY, FORT POLK. (SEC. 27, T. 2N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN, DEPTH 1278 FT, SCREENED 1192-1278. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 338.00 FT NGVD.
HIGHEST WATER LEVEL 136.61 BELOW LSD, MAR. 5, 1943.
LOWEST WATER LEVEL 177.33 BELOW LSD, JAN. 11, 1975.
RECORDS AVAILABLE 1943, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1980	172.32H	JAN. 6, 1981	169.75J	APR. 5, 1981	171.98	JULY 5, 1981	171.64
OCT. 5	172.46	JAN. 8	172.30J	APR. 10	171.17	JULY 8	171.33H
OCT. 10	172.94	JAN. 10	171.97	APR. 15	173.33J	JULY 10	171.25
OCT. 13	170.46J	JAN. 15	171.15	APR. 17	171.65H	JULY 15	170.83
OCT. 15	171.63	JAN. 20	170.10	APR. 20	171.52	JULY 20	170.56J
OCT. 20	172.09	JAN. 22	170.36H	APR. 25	170.81	JULY 25	168.18
OCT. 25	172.78	JAN. 25	170.70	APR. 30	170.67	JULY 31	171.28
OCT. 29	173.87J	JAN. 31	168.57	MAY 5	168.60	AUG. 5	171.83
OCT. 31	173.09	FEB. 2	167.87J	MAY 6	168.27J	AUG. 10	172.66
NOV. 4	173.07H	FEB. 5	172.27J	MAY 10	170.87	AUG. 12	173.78J
NOV. 5	173.25	FEB. 10	169.60	MAY 15	170.57	AUG. 15	172.66
NOV. 10	172.71	FEB. 15	169.60	MAY 20	170.54	AUG. 18	172.97H
NOV. 15	174.25	FEB. 20	170.71	MAY 23	173.53J	AUG. 20	172.47
NOV. 18	174.79J	FEB. 25	170.96	MAY 25	171.88	AUG. 22	173.59J
NOV. 20	173.49	FEB. 28	170.18	MAY 26	171.63H	AUG. 25	172.63
NOV. 25	171.32	MAR. 5	169.58	MAY 31	169.50J	AUG. 31	172.22
NOV. 30	171.60	MAR. 6	169.77H	JUNE 5	172.18	SEP. 5	172.51
DEC. 5	171.01H	MAR. 7	169.53J	JUNE 10	172.29	SEP. 10	171.49
DEC. 10	171.24	MAR. 10	170.42	JUNE 12	173.65J	SEP. 15	171.81
DEC. 15	171.53	MAR. 15	170.67	JUNE 15	172.35	SEP. 20	172.03
DEC. 20	171.71	MAR. 20	170.78	JUNE 20	171.32	SEP. 21	169.86J
DEC. 25	171.35	MAR. 25	170.77	JUNE 25	172.65	SEP. 25	172.02
DEC. 31	171.54	MAR. 31	170.32	JUNE 30	171.78	SEP. 30	171.75
JAN. 5, 1981	171.11						

311213093322801 LOCAL WELL NUMBER: V-412

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 47 FT, SCREENED 42-47. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 121.00 FT NGVD.
HIGHEST WATER LEVEL 10.90 BELOW LSD, AUG. 12, 1975.
LOWEST WATER LEVEL 14.25 BELOW LSD, DEC. 5, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	12.92	MAR. 4, 1981	13.45	JUNE 2, 1981	12.93	AUG. 27, 1981	12.19
DEC. 9	13.23	APR. 15	14.08	JULY 15	11.73	SEP. 21	12.20
JAN. 27, 1981	13.88						

311213093322802 LOCAL WELL NUMBER: V-413

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 360 FT, SCREENED 355-360. MP TOP OF CASING, 2.70 FT ABOVE LSD.
LSD 120.00 FT NGVD.
HIGHEST WATER LEVEL 31.40 ABOVE LSD, MAY 25, 1976.
LOWEST WATER LEVEL 24.10 ABOVE LSD, AUG. 27, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	+ 29.10	MAR. 4, 1981	+ 28.60	JUNE 2, 1981	+ 29.10	AUG. 27, 1981	+ 24.10
DEC. 9	+ 28.90	APR. 15	+ 28.40	JULY 15	+ 26.70	SEP. 21	+ 24.50
JAN. 27, 1981	+ 28.60						

311411093323601 LOCAL WELL NUMBER: V-414

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 172 FT, SCREENED 167-172. MP TOP OF CASING, 1.20 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 34.61 BELOW LSD, MAY 19, 1975.
LOWEST WATER LEVEL 42.07 BELOW LSD, OCT. 28, 1965.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1980	40.74	MAR. 4, 1981	40.45	JUNE 2, 1981	40.41	AUG. 27, 1981	40.33
DEC. 9	40.70	APR. 15	40.78	JULY 15	39.41	SEP. 21	40.50
JAN. 27, 1981	40.74						

See footnotes at end of table.

VERNON PARISH

311201093080203   LOCAL WELL NUMBER: V-425B

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 1404 FT, SCREENED 1394-1404. MP TOP OF BUSHING, 3.90 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 164.66 BELOW LSD, JAN. 31, 1980.
LOWEST WATER LEVEL 167.25 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1968-75, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	166.47	MAR. 6, 1981	165.66	MAY 26, 1981	166.52	AUG. 18, 1981	166.90
DEC. 5	166.45	APR. 17	166.47	JULY 8	166.24	SEP. 18	167.25
JAN. 22, 1981	166.52						

311201093080202   LOCAL WELL NUMBER: V-426

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 915 FT, SCREENED 905-915. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969.
LOWEST WATER LEVEL 132.33 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	130.80	MAR. 6, 1981	130.70	MAY 26, 1981	131.70	AUG. 18, 1981	132.17
DEC. 5	130.72	APR. 17	130.96	JULY 8	131.00	SEP. 18	132.33
JAN. 22, 1981	130.85						

311544093002501   LOCAL WELL NUMBER: V-427

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 1230 FT, SCREENED 1220-1230. MP TOP OF CASING, 3.85 FT ABOVE LSD. WELL DESTROYED 1/22/81.
LSD 290.00 FT NGVD.
HIGHEST WATER LEVEL 157.59 BELOW LSD, MAY 2, 1968.
LOWEST WATER LEVEL 169.94 BELOW LSD, SEP. 11, 1980.
RECORDS AVAILABLE 1967-80.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	169.86	DEC. 5, 1980	169.81				

311544093002502   LOCAL WELL NUMBER: V-428

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 925 FT, SCREENED 915-925. MP TOP OF CASING, 3.90 FT ABOVE LSD.
LSD 290.00 FT NGVD.
HIGHEST WATER LEVEL 100.97 BELOW LSD, MAY 2, 1968.
LOWEST WATER LEVEL 113.76 BELOW LSD, JULY 11, 1980.
RECORDS AVAILABLE 1967-80.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	113.05	DEC. 5, 1980	112.81				

WEBSTER PARISH

325752093271801   LOCAL WELL NUMBER: WB-27

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 23N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 18 TO 12 IN, DEPTH 311 FT, SCREENED 231-311. MP TOP OF CASING, 0.22 FT ABOVE LSD.
LSD 245.00 FT NGVD.
HIGHEST WATER LEVEL   52.00 BELOW LSD, OCT. 7, 1937.
LOWEST WATER LEVEL 169.20 BELOW LSD, OCT. 18, 1947.
RECORDS AVAILABLE 1937, 1947-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	56.71	MAR. 3, 1981	55.18	JUNE 18, 1981	56.26	AUG. 25, 1981	58.51
DEC. 16	55.77	MAY 15	55.34	JULY 10	55.91	SEP. 28	57.70
JAN. 27, 1981	55.44						

324612093230701 LOCAL WELL NUMBER: WB-96

OWNER: COTTON VALLEY OIL CO. (SEC. 34, T. 21N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 89 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 1-IN AIR LINE, 3.00 FT ABOVE LSD.
LSD 218.00 FT NGVD.
HIGHEST WATER LEVEL 18.99 BELOW LSD, JULY 16, 1975,
LOWEST WATER LEVEL 36.18 BELOW LSD, SEP. 11, 1967.
RECORDS AVAILABLE 1948-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1981	32.97	AUG. 25, 1981	34.22				

323553093141101 LOCAL WELL NUMBER: WB-285

OWNER: U. S. GEOL. SURVEY. (SEC. 31, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 TO 2 IN, DEPTH 608 FT, SCREENED 598-608, MP HOLE IN CASING CAP, 3.85 FT ABOVE LSD.
LSD 340.00 FT NGVD.
HIGHEST WATER LEVEL 151.67 BELOW LSD, APR. 14, 1970,
LOWEST WATER LEVEL 187.99 BELOW LSD, FEB. 16, 1971.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1981	178.11	AUG. 24, 1981	186.31				

325200093151701 LOCAL WELL NUMBER: WB-326

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 22N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 470 FT, SCREENED 460-470, MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 106.99 BELOW LSD, JUNE 4, 1976,
LOWEST WATER LEVEL 113.43 BELOW LSD, DEC. 10, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	113.43	MAR. 3, 1981	113.39	JUNE 18, 1981	112.87	AUG. 18, 1981	113.42

330040093190001 LOCAL WELL NUMBER: WB-338

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 23N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 425 FT, SCREENED 415-425, MP TOP OF CASING, 3.70 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 90.38 BELOW LSD, MAR. 15, 1977,
LOWEST WATER LEVEL 100.06 BELOW LSD, DEC. 6, 1979.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1980	96.54	MAR. 3, 1981	94.70	JUNE 18, 1981	94.00	AUG. 18, 1981	94.64

324528093153501 LOCAL WELL NUMBER: WB-398

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 20N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 560 FT, SCREENED 550-560, MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 100.10 BELOW LSD, JULY 19, 1979,
LOWEST WATER LEVEL 102.14 BELOW LSD, JAN. 27, 1981.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	101.92	JAN. 27, 1981	102.14	APR. 15, 1981	101.92	JULY 9, 1981	101.69
DEC. 10	101.88	MAR. 3	101.92	JUNE 18	101.49	AUG. 18	102.09

WEBSTER PARISH

325518093221901 LOCAL WELL NUMBER: WB-399

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N.,R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 298 FT, SCREENED 288-298. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 205.00 FT NGVD.
HIGHEST WATER LEVEL 44.00 BELOW LSD, MAY 13, 1980.
LOWEST WATER LEVEL 46.34 BELOW LSD, NOV. 3, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	46.34	JAN. 27, 1981	46.05	APR. 15, 1981	45.54	JULY 10, 1981	45.13
DEC. 10	46.01	MAR. 3	45.47	JUNE 18	45.17	AUG. 18	45.27

WEST CARROLL PARISH

324508091252301 LOCAL WELL NUMBER: WC-36

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN, DEPTH 383 FT, SCREENED 377-383. MP TOP OF CASING COLLAR, 1.10 FT ABOVE LSD.
LSD 106.35 FT NGVD.
HIGHEST WATER LEVEL 28.13 BELOW LSD, MAR. 19, 1963.
LOWEST WATER LEVEL 32.39 BELOW LSD, MAR. 9, 1971, SEP. 7, 1972.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 26, 1981	32.00						

WINN PARISH

315524092381301 LOCAL WELL NUMBER: W-3

OWNER: CITY OF WINNFIELD. (SEC. 23, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 8 IN, DEPTH APPROXIMATELY 120 FT, SCREENED 100-120. MP TOP EDGE OF SHELTER FLOOR, 2.20 FT ABOVE LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 14.93 BELOW LSD, MAY 7, 1961.
LOWEST WATER LEVEL 30.32 BELOW LSD, DEC. 1, 1949.
RECORDS AVAILABLE 1949, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1980	18.25	MAR. 3, 1981	20.15	JUNE 18, 1981	18.08	AUG. 27, 1981	18.72

315525092375601 LOCAL WELL NUMBER: W-16

OWNER: CITY OF WINNFIELD. (SEC. 24, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 8 IN, DEPTH 583 FT, SCREENED 553-583. MP TOP OF CASING, AT LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 48.00 BELOW LSD, MAY 27, 1952.
LOWEST WATER LEVEL 85.05 BELOW LSD, JUNE 20, 1970.
RECORDS AVAILABLE 1952, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	78.64	MAR. 3, 1981	77.58	MAY 26, 1981	74.43	AUG. 27, 1981	79.50
DEC. 8	79.57	APR. 17	76.30	JULY 21	79.42		

315450092310102 LOCAL WELL NUMBER: W-144B

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 19, T. 11N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 550 FT, SCREENED 540-550. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 36.95 BELOW LSD, AUG. 27, 1981.
LOWEST WATER LEVEL 58.33 BELOW LSD, NOV. 5, 1971.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1980	38.89	MAR. 3, 1981	38.87	JUNE 18, 1981	37.00	AUG. 27, 1981	36.95

320619092341601 LOCAL WELL NUMBER: W-156

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 13N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 829 FT, SCREENED 819-829. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 257.00 FT NGVD.
HIGHEST WATER LEVEL 196.18 BELOW LSD, MAR. 25, 1976,
LOWEST WATER LEVEL 201.53 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1980	199.48	MAR. 3, 1981	200.05	JUNE 18, 1981	199.90	AUG. 27, 1981	200.39

320541092291601 LOCAL WELL NUMBER: W-172

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 13N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 655 FT, SCREENED 645-655. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 81.68 BELOW LSD, MAR. 2, 1979,
LOWEST WATER LEVEL 83.97 BELOW LSD, AUG. 27, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	83.58	MAR. 3, 1981	83.35	MAY 26, 1981	82.98	AUG. 27, 1981	83.97
DEC. 8	83.70	APR. 17	83.62	JULY 21	83.94		

315338092400001 LOCAL WELL NUMBER: W-177

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 11N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 695 FT, SCREENED 685-695. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 185.00 FT NGVD.
HIGHEST WATER LEVEL 58.95 BELOW LSD, MAY 26, 1981,
LOWEST WATER LEVEL 62.48 BELOW LSD, FEB. 21, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	60.79	JAN. 19, 1981	59.90	MAY 26, 1981	58.95	AUG. 27, 1981	59.82
DEC. 24	60.72	APR. 17	59.56	JULY 21	59.40		

320040092392101 LOCAL WELL NUMBER: W-178

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 12N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 598 FT, SCREENED 588-598. MP TOP OF BUSHING, 5.00 FT ABOVE LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 64.70 BELOW LSD, MAY 19, 1980,
LOWEST WATER LEVEL 70.55 BELOW LSD, AUG. 27, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	67.07	JAN. 19, 1981	67.03	MAY 26, 1981	67.18	AUG. 27, 1981	70.55
DEC. 24	66.95	APR. 17	67.87	JULY 21	69.94		

315948092300301 LOCAL WELL NUMBER: W-179

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 12N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 105.96 BELOW LSD, MAY 19, 1980,
LOWEST WATER LEVEL 106.89 BELOW LSD, SEP. 5, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	106.55	MAR. 3, 1981	106.38	MAY 26, 1981	106.15	AUG. 27, 1981	106.30
DEC. 8	106.83	APR. 17	106.16	JULY 21	106.03		

+ Above land-surface datum.
A Well being pumped.
C Nearby well or wells being pumped.
H Tape measurement (recorder).
J Recorder measurement for a time other than noon.

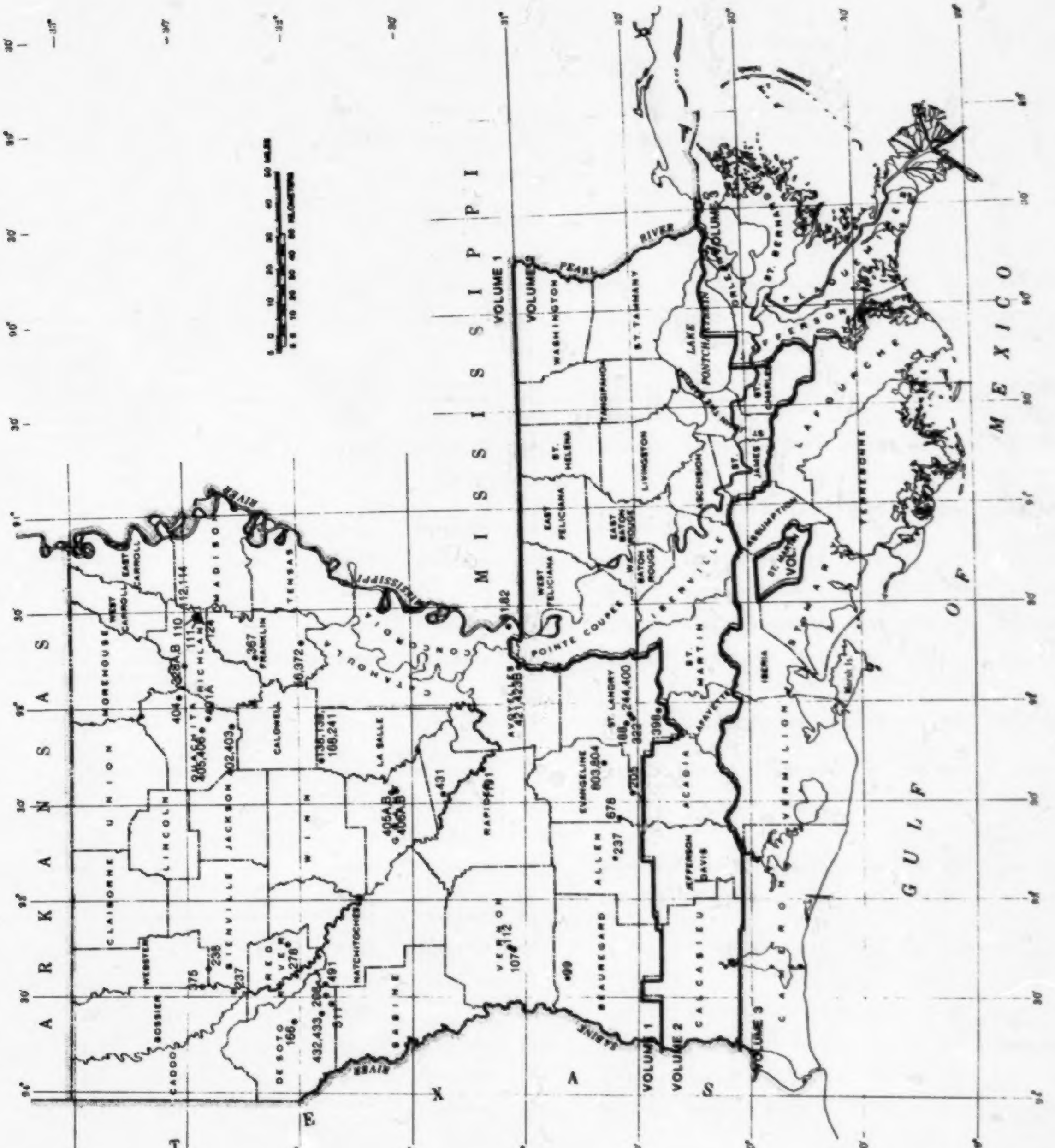

ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
VOLUME 3
PEARL RIVER
MISSISSIPPI RIVER
SABINE RIVER
LAKE PONTCHARTRAIN
CADDO
BOSSIER
WEBSTER
CLAIBORNE
UNION
MOREHOUSE
WEST CARROLL
EAST CARROLL
LINCOLN
OUACHITA
RICHLAND
MADISON
BIENVILLE
JACKSON
CALDWELL
FRANKLIN
TENSAS
DE SOTO
RED RIVER
NATCHITOCHES
WINN
LA SALLE
CATAHOULA
CONCORDIA
SABINE
GRANT
RAPIDES
AVOYELLES
VERNON
BEAUREGARD
ALLEN
EVANGELINE
ST. LANDRY
POINTE COUPEE
WEST FELICIANA
EAST FELICIANA
ST. HELENA
TANGIPAHOA
WASHINGTON
ST. TAMMANY
CALCASIEU
JEFFERSON DAVIS
ACADIA
LAFAYETTE
ST. MARTIN
IBERVILLE
WEST BATON ROUGE
EAST BATON ROUGE
LIVINGSTON
ASCENSION
ST. JAMES
ST. JOHN
ST. CHARLES
ASSUMPTION
CAMERON
VERMILION
IBERIA
ST. MARY
TERREBONNE
LAFOURCHE
JEFFERSON
ORLEANS
ST. BERNARD
PLAQUEMINES

Figure 10.--Location of wells for which water-quality data are included.

CHEMICAL ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

LOCAL IDENT-I-FIER	STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
				ALLEN PARISH					
AL- 237 5S 4W 21	303556092463101	112CHCT	223	81-04-09	--	167	--	--	--
				AVOYELLES PARISH					
AV- 421 1S 7E 6	310015091481701	121BLCK	329	81-06-10	1200	427	7.5	21.5	0
AV- 423B 1S 7E 5	310012091470201	121BLCK	532	81-09-08	1300	842	7.5	22.0	0
				BEAUREGARD PARISH					
BE- 99 3S 10W 4	305803093235001	112CHCT	188	81-03-27	--	40	--	--	--
		112CHCT	188	81-06-01	--	45	5.0	--	--
				BIENVILLE PARISH					
BI- 237 18N 10W 5	321844093242601	124WLCX	171	81-06-24	1930	230	--	--	150
BI- 238 16N 9W 10	322330093165201	124CRRZ	167	81-06-23	0900	65	--	--	0
				CONCORDIA PARISH					
CO- 81 1N 9E 11	310345091350901	112MRVA	171	81-05-07	0830	902	6.8	20.0	0
		112MRVA	171	81-05-07	1530 2/	938	6.8	--	--
		112MRVA	171	81-05-09	0645	854	6.8	--	0
CO- 82 1N 9E 11	310345091350902	121BLCK	189	81-05-12	1515	604	--	--	0
				DE SOTO PARISH					
DS- 166 12N 12W 20	320046093365801	124WLCX	43	81-01-12	1400	217	5.0	--	0
		124WLCX	43	81-01-28	1100	221	5.3	--	0
DS- 208 11N 11W 35	315325093274201	124WLCX	220	81-01-14	1000	729	8.3	--	5
DS- 432 11N 12W 26	315501093362101	124WLCX	248	81-01-13	1600	373	7.0	--	5
DS- 433 11N 12W 26	315450093360003	124WLCX	267	81-01-13	1500	346	7.0	--	6
DS- 511 10N 11W 16	315113093382501	124WLCX	350	81-07-21	0900	215	--	--	75
				EVANGELINE PARISH					
EV- 678 5S 2W 31	303453092325201	112CHCT	240	81-03-18	--	356	--	--	--
		112CHCT	240	81-06-08	--	366	6.4	--	--
EV- 803 5S 2E 6	303915092164003	121EVGL	563	81-08-20	1330	507	7.4	23.0	0
EV- 804 5S 2E 6	303915092165001	121EVGL	558	81-08-20	1400	536	7.6	22.5	0
				FRANKLIN PARISH					
FR- 56 12N 8E 33	315851091392401	112MRVA	125	81-08-12	1130	--	--	--	--
FR- 367 14N 7E 28	321071091432401	112MRVA	93	81-04-08	1100	665	--	--	--
		112MRVA	93	81-09-22	1200	731	--	--	--
FR- 372 12N 8E 33	315851091392405	112MRVA	80	81-08-12	1230	--	--	--	--
				GRANT PARISH					
G- 405A 7N 1E 18	313447092245202	112UPTC	80	81-01-13	1300	39	5.2	20.0	0
G- 405B 7N 1E 18	313447092245201	122CTHL	272	80-12-15	1200	273	7.7	21.0	5
G- 406A 7N 1E 19	313339092244602	112UPTC	59	81-02-18	1200	59	5.6	19.5	0
G- 406B 7N 1E 19	313339092244601	122CTHL	358	81-02-11	1300	650	7.6	22.0	0
				LA SALLE PARISH					
LA- 138 11N 2E 35	315326092140701	124CCKF	217	80-10-27	0940	1380	--	--	--
LA- 139 11N 2E 35	315316092140101	124CCKF	248	80-10-27	0945	1450	--	--	--
LA- 168 11N 2E 26	315406092143403	124CCKF	260	80-10-27	0935	1210	--	--	--
LA- 241 11N 2E 26	315403092143802	124CCKF	285	80-10-27	0930	1240	--	--	--

1/ See explanation of geologic unit (aquifer) at end of table.
2/ Hydrogen sulfide (H_2S), 1.6 mg/L.

LOCAL IDENT- I- FIER				DATE OF SAMPLE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
ALLEN PARISH--Continued													
- 237	5S	4W	21	81-04-09	--	--	--	--	--	--	--	--	16
AVOYELLES PARISH--Continued													
V- 421	1S	7E	6	81-06-10	19	0	6.2	.9	91	2.1	173	4.4	24
V- 423B	1S	7E	5	81-09-08	17	0	6.0	.5	170	2.7	176	.2	150
BEAUREGARD PARISH--Continued													
E- 99	3S	10W	4	81-03-27	--	--	--	--	--	--	--	--	5.0
				81-06-01	10	--	2.7	.8	4.3	--	11	--	3.5
BIENVILLE PARISH--Continued													
I- 237	15N	10W	5	81-06-24	56	0	11	6.9	24	2.4	60	12	28
I- 238	16N	9W	10	81-06-23	11	0	2.3	1.3	4.0	1.4	16	2.2	2.0
CONCORDIA PARISH--Continued													
O- 81	1N	9E	11	81-05-07	450	0	120	37	16	4.0	472	14	15
				81-05-07	440	0	120	34	15	3.9	462	12	12
				81-05-09	440	0	120	36	15	3.9	447	15	15
O- 82	1N	9E	11	81-05-12	240	0	72	14	42	4.8	304	3.8	6.6
DE SOTO PARISH--Continued													
S- 166	12N	12W	20	81-01-12	37	30	3.7	6.7	23	5.0	7	5.2	27
				81-01-28	38	30	3.9	6.9	22	4.0	8	5.4	23
S- 208	11N	11W	35	81-01-14	6	0	1.7	.4	180	2.0	312	34	28
DS- 432	11N	12W	26	81-01-13	16	0	4.9	.9	79	2.0	158	12	13
DS- 433	11N	12W	26	81-01-13	12	0	3.8	.6	77	2.0	150	16	14
DS- 511	10N	11W	16	81-07-21	60	0	17	4.3	17	1.9	70	16	13
EVANGELINE PARISH--Continued													
EV- 678	5S	2W	31	81-03-18	--	--	--	--	--	--	--	--	41
				81-06-08	100	--	23	10	34	--	106	--	42
EV- 803	5S	2E	6	81-08-20	72	0	20	5.4	98	2.0	252	.0	13
EV- 804	5S	2E	6	81-08-20	68	0	19	5.0	100	1.9	258	.2	19
FRANKLIN PARISH--Continued													
FR- 56	12N	8E	33	81-08-12	240	--	62	20	73	3.6	--	--	--
FR- 367	14N	7E	26	81-04-08	220	--	--	--	--	--	--	9.6	84
				81-09-22	220	--	--	--	--	--	--	13	86
FR- 372	12N	8E	33	81-08-12	220	--	58	18	60	3.1	--	--	--
GRANT PARISH--Continued													
G- 405A	7N	1E	18	81-01-13	5	0	1.5	.3	4.2	1.0	9	2.4	2.0
G- 405B	7N	1E	18	80-12-15	2	0	.8	.0	66	2.0	139	2.0	3.9
G- 406A	7N	1E	19	81-02-18	8	--	1.9	.8	7.2	2.0	10	6.2	6.5
G- 406B	7N	1E	19	81-02-11	2	0	.5	.2	140	3.0	140	.8	120
LA SALLE PARISH--Continued													
LA- 138	11N	2E	35	80-10-27	--	--	--	--	--	--	--	--	30
LA- 139	11N	2E	35	80-10-27	--	--	--	--	--	--	--	--	34
A- 168	11N	2E	26	80-10-27	--	--	--	--	--	--	--	--	48
A- 241	11N	2E	26	80-10-27	--	--	--	--	--	--	--	--	42

LOCAL IDENT-I-FIER				DATE OF SAMPLE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
ALLEN PARISH--Continued											
AL- 237	5S	4W	21	81-04-09	--	--	--	--	--	--	--
AVOYELLES PARISH--Continued											
AV- 421	1S	7E	6	81-06-10	.4	31	275	266	.45	70	35
AV- 423H	1S	7E	5	81-09-08	.5	34	470	471	1.3	120	62
BEAUREGARD PARISH--Continued											
BE- 99	3S	10W	4	81-03-27	--	--	--	--	--	--	--
				81-06-01	--	--	--	--	--	60	0
BIENVILLE PARISH--Continued											
BI- 237	15N	10W	5	81-06-24	.3	58	196	188	1.3	7300	350
BI- 238	16N	9W	10	81-06-23	.2	19	44	43	.21	150	0
CONCORDIA PARISH--Continued											
CO- 81	1N	9E	11	81-05-07	.3	43	--	549	.20	16000	690
				81-05-07	.4	43	--	534	.15	16000	720
				81-05-09	.4	33	529	522	.15	15000	710
CO- 82	1N	9E	11	81-05-12	.3	42	378	370	.20	10	1200
DE SOTO PARISH--Continued											
DS- 166	12N	12W	20	81-01-12	.3	34	176	158	49	430	300
				81-01-28	.3	31	163	153	51	40	340
DS- 208	11N	11W	35	81-01-14	.2	12	438	446	.00	380	20
DS- 432	11N	12W	26	81-01-13	.2	27	237	234	.29	810	21
DS- 433	11N	12W	26	81-01-13	.2	24	229	228	.19	170	33
DS- 511	10N	11W	16	81-07-21	.4	51	172	163	.87	3800	220
EVANGELINE PARISH--Continued											
EV- 678	5S	2W	31	81-03-18	--	--	--	--	--	--	--
				81-06-08	--	--	--	--	--	3700	550
EV- 803	5S	2E	6	81-08-20	.8	28	327	318	.29	180	51
EV- 804	5S	2E	6	81-08-20	.7	30	334	332	.83	200	61
FRANKLIN PARISH--Continued											
FR- 56	12N	8E	33	81-08-12	--	--	--	--	--	6600	230
FR- 367	14N	7E	26	81-04-08	--	--	--	--	--	--	--
				81-09-22	--	--	--	--	--	--	--
FR- 372	12N	8E	33	81-08-12	--	--	--	--	--	9200	620
GRANT PARISH--Continued											
G- 405A	7N	1E	18	81-01-13	.0	17	37	35	1.2	30	12
G- 405B	7N	1E	18	80-12-15	.8	43	224	202	.30	0	0
G- 406A	7N	1E	19	81-02-18	.2	24	52	56	1.6	10	0
G- 406B	7N	1E	19	81-02-11	1.2	48	384	398	.34	20	0
LA SALLE PARISH--Continued											
LA- 138	11N	2E	35	80-10-27	--	--	--	--	--	--	--
LA- 139	11N	2E	35	80-10-27	--	--	--	--	--	--	--
LA- 168	11N	2E	26	80-10-27	--	--	--	--	--	--	--
LA- 241	11N	2E	26	80-10-27	--	--	--	--	--	--	--

LOCAL IDENT-I-FIER				STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
						NATCHITOCHES PARISH						
NA- 491	10N	10W	8	315221093242901	124WLCX	493	81-07-24	1200	807	--	--	5
						OUACHITA PARISH						
OU- 401A	16N	4E	2	322422092020701	124SPRT	397	80-12-10	1045	1010	--	--	70
OU- 402	15N	4E	16	321714092041401	124SPRT	750	80-12-09	1115	3820	--	--	40
OU- 403	15N	4E	16	321714092041402	124SPRT	460	80-12-09	1150	1730	--	--	70
OU- 404	18N	5E	35	323030091554801	124SPRT	685	80-12-10	0835	1930	--	--	50
OU- 405	17N	4E	30	322531092053901	124SPRT	775	80-12-09	1430	2100	--	--	70
OU- 406	17N	4E	30	322531092053902	124SPRT	681	80-12-09	1605	1640	--	--	500
						RAPIDES PARISH						
R- 431	4N	1W	1	312109092255001	122CRNB	779	80-10-06	1345	304	8.3	23.0	10
					122CRNB	779	81-05-08	0940	326	8.5	24.0	--
					122CRNB	779	81-05-08	1310	329	8.4	24.5	--
					122CRNB	779	81-05-08	1710	330	8.4	24.5	--
					122CRNB	779	81-05-09	0910	340	8.4	24.0	--
					122CRNB	779	81-05-10	0920	341	8.3	24.0	--
					122CRNB	779	81-05-11	0910	326	8.4	24.0	--
					122CRNB	779	81-05-12	0900	328	8.3	24.5	--
					122CRNB	779	81-05-13	0900	329	8.3	24.5	--
					122CRNB	779	81-05-14	0830	326	8.3	24.5	--
					122CRNB	779	81-05-15	1030	329	8.4	24.5	--
					122CRNB	779	81-05-17	0810	333	8.4	24.5	--
					122CRNB	779	81-05-19	0900	335	8.3	24.5	--
					122CRNB	779	81-05-22	1130	336	8.3	24.5	--
					122CRNB	779	81-05-26	0830	338	8.2	24.5	--
					122CRNB	779	81-05-29	0830	335	8.3	24.5	--
R-1191	3N	2E	32	311114092173401	122WMCK	290	81-02-11	1030	900	7.5	20.5	0
						RED RIVER PARISH						
RR- 278	12N	8W	4	320316093114201	124WLCX	368	81-07-08	0930	7620	--	--	0
						RICHLAND PARISH						
RI- 110	17N	9E	24	322654091294101	112MRVA	67	81-04-08	1030	1170	--	--	--
RI- 111	17N	9E	23	322634091303901	112MRVA	67	81-04-08	1430	1300	--	--	--
					112MRVA	67	81-09-22	1450	1360	--	--	--
RI- 112	17N	9E	24	322623091294901	112MRVA	67	81-04-08	1610	2270	--	--	--
					112MRVA	67	81-09-22	1400	2140	--	--	--
RI- 114	17N	9E	24	322636091295702	112MRVA	66	81-04-08	1500	2720	--	--	--
					112MRVA	66	81-09-22	1515	2150	--	--	--
RI- 124	17N	9E	25	322605091301101	112MRVA	86	81-04-08	1700	1570	--	--	--
					112MRVA	86	81-09-22	1430	1440	--	--	--
RI- 228A	17N	7E	4	322852091452302	112MRVA	118	81-06-09	1300	485	7.3	20.0	0
RI- 228B	17N	7E	4	322852091452301	124CCKF	185	81-06-04	1330	552	7.4	20.0	0
						ST. LANDRY PARISH						
SL- 188	6S	4E	72	303220092052101	112CHCTU	365	80-10-16	--	517	6.9	22.0	0
SL- 205	6S	1W	24	303109092252402	112CHCTU	266	81-06-08	--	557	7.3	--	--
SL- 244	6S	4E	107	303059092013802	112CHCTL	524	81-08-20	1000	508	7.6	23.0	0
SL- 322	6S	4E	88	303055092041603	121EVGL	640	80-10-16	--	863	7.3	23.5	0
SL- 398	7S	4E	102	302409092012701	112CHCTU	121	81-08-12	--	244	6.2	--	--
SL- 400	6S	4E	107	303059092031703	112CHCTL	518	81-08-20	1000	517	7.4	23.0	0

1/ See explanation of geologic unit (aquifer) at end of table.

LOCAL IDENT-I-FIER	DATE OF SAMPLE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NATCHITOCHES PARISH--Continued										
NA- 491 10N 10W 8	81-07-24	4	0	1.2	.2	200	1.2	386	.6	37
OUACHITA PARISH--Continued										
OU- 401A 16N 4E 2	80-12-10	4	0	1.5	.1	230	2.0	339	1.4	120
OU- 402 15N 4E 16	80-12-09	12	0	2.9	1.2	820	5.0	471	1.6	940
OU- 403 15N 4E 16	80-12-09	3	0	1.1	.3	390	3.0	472	.6	270
OU- 404 18N 5E 35	80-12-10	5	0	1.0	.6	420	3.0	370	.8	390
OU- 405 17N 4E 30	80-12-09	5	0	1.9	.1	460	3.0	432	1.0	420
OU- 406 17N 4E 30	80-12-09	3	0	1.1	.1	380	2.0	513	.4	220
RAPIDES PARISH--Continued										
R- 431 4N 1W 1	80-10-06	3	0	.8	.7	70	2.0	146	4.4	3.2
	81-05-08	2	--	--	--	--	--	146	5.0	3.2
	81-05-08	1	--	--	--	--	--	165	6.0	3.4
	81-05-08	1	--	--	--	--	--	165	5.6	3.1
	81-05-09	0	--	--	--	--	--	169	4.9	2.9
	81-05-10	1	--	--	--	--	--	166	5.0	3.0
	81-05-11	1	--	--	--	--	--	170	4.5	2.8
	81-05-12	1	--	--	--	--	--	165	4.4	3.0
	81-05-13	1	--	--	--	--	--	174	5.0	3.7
	81-05-14	0	--	--	--	--	--	165	4.8	2.8
	81-05-15	1	--	--	--	--	--	165	5.0	2.9
	81-05-17	1	--	--	--	--	--	168	4.5	2.9
	81-05-19	1	--	--	--	--	--	166	4.8	2.7
	81-05-22	1	--	--	--	--	--	159	4.8	3.7
	81-05-26	1	--	--	--	--	--	164	4.8	3.7
	81-05-29	1	--	--	--	--	--	163	4.4	3.5
R-1191 3N 2W 32	81-02-11	190	0	60	10	200	3.0	385	35	82
RED RIVER PARISH--Continued										
RR- 298 12N 9W 4	81-07-08	48	0	12	4.4	1700	7.1	442	2.4	2300
RICHLAND PARISH--Continued										
RI- 110 17N 9E 26	81-04-09	440	--	--	--	--	--	--	20	180
RI- 111 17N 9E 23	81-04-08	400	--	--	--	--	--	--	36	180
	81-09-22	400	--	--	--	--	--	--	32	170
RI- 112 17N 9E 24	81-04-08	400	--	--	--	--	--	--	9.8	520
	81-09-22	350	--	--	--	--	--	--	10	470
RI- 114 17N 9E 24	81-04-08	350	--	--	--	--	--	--	12	730
	81-09-22	340	--	--	--	--	--	--	10	540
RI- 124 17N 9E 25	81-04-08	430	--	--	--	--	--	--	24	270
	81-09-22	560	--	--	--	--	--	--	23	210
RI- 220A 17N 7E 4	81-06-09	220	17	58	18	15	2.1	202	2.2	33
RI- 228A 17N 7E 4	81-06-04	100	0	28	7.8	78	1.8	223	.4	29
ST. LANDRY PARISH--Continued										
SL- 188 6S 4E 72	80-10-16	220	0	59	18	25	2.1	265	1.6	11
SL- 205 6S 1W 24	81-06-08	180	--	47	16	46	--	212	--	50
SL- 244 6S 4E 107	81-08-20	58	0	16	4.4	100	2.6	259	.0	9.8
SL- 322 6S 4E 88	80-10-16	80	0	22	5.9	170	2.9	300	2.0	100
SL- 398 7S 6E 102	81-08-12	75	38	19	6.7	15	--	39	--	15
SL- 400 6S 4E 107	81-08-20	71	0	18	6.3	100	2.6	264	.0	13

LOCAL IDENT- I- FIER				DATE OF SAMPLE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
					NATCHITOCHES PARISH--Continued						
NA- 491	10N	10W	8	81-07-24	.6	38	482	511	.27	140	0
					OUACHITA PARISH--Continued						
OU- 401A	16N	4E	2	80-12-10	.7	12	587	571	.53	0	0
OU- 402	15N	4E	16	80-12-09	1.6	12	2120	2100	.50	110	0
OU- 403	15N	4E	16	80-12-09	1.2	11	980	960	.68	0	0
OU- 404	18N	5E	35	80-12-10	.6	12	1050	1050	.42	0	0
OU- 405	17N	4E	30	80-12-09	.9	13	1160	1150	.64	0	0
OU- 406	17N	4E	30	80-12-09	2.2	12	989	920	2.7	10	0
					RAPIDES PARISH--Continued						
R- 431	4N	1W	1	80-10-06	1.1	42	222	212	.39	60	0
				81-05-08	--	--	--	--	--	40	0
				81-05-08	--	--	--	--	--	50	0
				81-05-08	--	--	--	--	--	50	0
				81-05-09	--	--	--	--	--	50	0
				81-05-10	--	--	--	--	--	40	0
				81-05-11	--	--	--	--	--	40	0
				81-05-12	--	--	--	--	--	30	0
				81-05-13	--	--	--	--	--	30	0
				81-05-14	--	--	--	--	--	30	0
				81-05-15	--	--	--	--	--	40	0
				81-05-17	--	--	--	--	--	40	0
				81-05-19	--	--	--	--	--	50	0
				81-05-22	--	--	--	--	--	50	0
				81-05-26	--	--	--	--	--	50	0
				81-05-29	--	--	--	--	--	40	0
R-1191	3N	2E	32	81-02-11	1.4	23	586	589	.12	430	80
					RED RIVER PARISH--Continued						
RR- 229	12N	8W	4	81-07-08	2.0	11	4190	4310	.41	20	0
					RICHLAND PARISH--Continued						
RI- 110	17N	9E	24	81-04-08	--	--	--	--	--	--	--
RI- 111	17N	9E	23	81-04-08	--	--	--	--	--	--	--
				81-09-22	--	--	--	--	--	--	--
RI- 112	17N	9E	24	81-04-08	--	--	--	--	--	--	--
				81-09-22	--	--	--	--	--	--	--
RI- 114	17N	9E	24	81-04-08	--	--	--	--	--	--	--
				81-09-22	--	--	--	--	--	--	--
RI- 124	17N	9E	25	81-04-08	--	--	--	--	--	--	--
				81-09-22	--	--	--	--	--	--	--
RI- 228A	17N	7E	4	81-06-09	.2	33	290	286	.47	1900	920
RI- 228B	17N	7E	4	81-06-04	.4	24	306	304	.24	310	110
					ST. LANDRY PARISH--Continued						
SL- 188	6S	4E	72	80-10-16	.2	37	305	313	--	1100	140
SL- 205	6S	1W	24	81-06-08	--	--	--	--	--	0	180
SL- 244	6S	4E	107	81-08-20	.5	44	336	338	1.4	140	63
SL- 322	6S	4E	88	80-10-16	.4	43	522	526	--	270	64
SL- 398	7S	4E	102	81-08-12	--	--	--	--	45	--	24
SL- 400	6S	4E	107	81-08-20	.4	44	345	344	1.4	180	63

LOCAL IDENT-I-FIER				STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
					VERNON PARISH							
V- 107	1N	8W	20	310259093124101	122WMCK	903	81-05-21	1530	270	6.3	26.5	0
V- 112	1N	8W	17	310350093121001	122WMCK	877	81-05-21	1600	235	6.0	25.5	0
					WEBSTER PARISH							
WR- 375	17N	10W	29	322541093250101	124WLCX	135	81-02-01	1200	607	--	--	--

LOCAL IDENT-I-FIER				DATE OF SAMPLE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
					VERNON PARISH--Continued								
V- 107	1N	8W	20	81-05-21	29	0	11	.4	45	3.2	99	6.6	19
V- 112	1N	8W	17	81-05-21	44	0	16	1.0	31	3.5	82	7.6	16
					WEBSTER PARISH--Continued								
WR- 375	17N	10W	29	81-02-01	170	--	--	--	--	--	--	--	41

LOCAL IDENT-I-FIER				DATE OF SAMPLE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
					VERNON PARISH--Continued						
V- 107	1N	8W	20	81-05-21	.3	70	208	215	.68	20	16
V- 112	1N	8W	17	81-05-21	.3	74	200	199	.71	310	83
					WEBSTER PARISH--Continued						
WR- 375	17N	10W	29	81-02-01	--	--	--	--	--	--	--

1/ See explanation of geologic unit (aquifer) at end of table.

Geologic unit (aquifer):

112CHCT-Chicot aquifer, Pleistocene age.
112CHCTL-Chicot aquifer, lower sand unit, Pleistocene age.
112CHCTU-Chicot aquifer, upper sand unit, Pleistocene age.
112MRVA-Mississippi River alluvial aquifer, Pleistocene age.
112UPTC-Upland terrace deposits, Pleistocene age.
121BLCK-Blounts Creek Memeber of Fleming Formation, Pliocene age.
121EVGL-Evangeline aquifer, Pliocene-Miocene age.
122CRNB-Carnahan Bayou Member of Fleming Formation, Miocene age.
122CTHL-Catahoula Formation, Miocene age.
122WMCK-Williamson Creek Member of Fleming Formation, Miocene age.
124CCKF-Cockfield Formation, Eocene age.
124CRRZ-Carizzo sand, Eocene age.
124SPRT-Sparta sand, Eocene age.
124WLCX-Wilcox Group, Eocene age.

TRACE-ELEMENT ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

LOCAL IDENT-I-FIER	STATION NUMBER	DATE OF SAMPLE	BROMIDE DIS-SOLVED (MG/L AS BR)	IODIDE, DIS-SOLVED (MG/L AS I)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BORON, DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)
			ST. LANDRY PARISH						
SL- 188 6S 4E 72	303220092052101	80-10-16	.0	.01	1	230	<1	50	<1
SL- 322 6S 4E 88	303055092041603	80-10-16	.1	.02	0	290	<1	200	<1

LOCAL IDENT-I-FIER	DATE OF SAMPLE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
			ST. LANDRY PARISH--Continued						
SL- 188 6S 4E 72	80-10-16	0	<3	<10	<10	14	.0	<10	0
SL- 322 6S 4E 88	80-10-16	0	<3	10	10	23	.0	10	0

LOCAL IDENT-I-FIER	DATE OF SAMPLE	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
		ST. LANDRY PARISH--Continued			
SL- 188 6S 4E 72	80-10-16	200	6.0	21	5.8
SL- 322 6S 4E 88	80-10-16	350	6.0	8	2.3

RADIOCHEMICAL ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

LOCAL IDENT-I-FIER	STATION NUMBER	DATE OF SAMPLE	TIME	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)
				RAPIDES PARISH					
R- 431 4N 1W 1	312109092255001	80-10-06	1035	6.6	4.5	2.6	2.5	--	--
		80-10-06	1345	380	260	22	22	.15	.80

LOCAL IDENT-I-FIER	STATION NUMBER	DATE OF SAMPLE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)
		VERNON PARISH			
V- 107 1N 8W 20	310259093124101	81-05-21	<5.2	<2.7	<2.8
V- 112 1N 8W 17	310350093121001	81-05-21	<3.5	3.0	2.8

< Actual value is known to be less than the value shown.

INDEX

PAGE

ACCURACY OF FIELD DATA 11
ACME, LARTO LAKE AT DAM, NEAR 123
ACRE-FOOT, DEFINITION OF 3
ALEXANDRIA, RED RIVER AT 106-117
ALOHA, NANTACHIE LAKE NEAR 95
ALTO, BAYOU LAFOURCHE NEAR 164
ANALYSIS OF WATER-QUALITY SAMPLES COLLECTED AT MISCELLANEOUS SITES 340-341
ANTOINE CREEK NEAR ASHLAND 325
AQUIFER, DEFINITION OF 3
ARKANSAS-LOUISIANA STATE LINE, BOEUF RIVER NEAR..........154-156
  OUACHITA RIVER NEAR 124-125,343
ARNAUDVILLE, BAYOU FUSILIER AT WIER AT 260
  BAYOU TECHE AT 258-259,345
ARTESIAN, DEFINITION OF 3
AYCOCK, LAKE CLAIBORNE NEAR 134
BACTERIA, DEFINITION OF 3
BASILE, BAYOU NEZPIQUE NEAR 263-264,345
BAYOU ANACOCO, NEAR KNIGHT 317-319
  NEAR ROSEPINE 315-316,346
  NORTHWEST OF DE RIDDER 336
BAYOU BARTHOLOMEW, NEAR JONES 126-129,343
  NORTHWEST OF JONES 130
BAYOU BONNE IDEE NEAR OAK GROVE 157-158
BAYOU CARRON AT WASHINGTON 335
BAYOU CASTOR, NEAR FUNSTON 289-290,345
  NEAR LOGANSPORT 291-293
  NEAR LONGSTREET 330
BAYOU CASTOR TRIBUTARY NEAR LOGANSPORT 330
BAYOU CHOUDRANT NEAR CALHOUN 327
  NEAR TREMONT 327
BAYOU COCODRIE (RED RIVER BASIN) NEAR FERRIDAY 334
BAYOU COCODRIE (BAYOU TECHE BASIN) NEAR CLEARWATER 242-243,344
BAYOU COURTABLEAU, AT WASHINGTON 245-246,344
  EAST OF DRAINAGE STRUCTURE AT COURTABLEAU 254-256
  NEAR WASHINGTON 244
  WEST OF DRAINAGE STRUCTURE AT COURTABLEAU 251-253
BAYOU D'ARBONNE AT HOMER 326
  BELOW DAM NEAR DOWNSVILLE 333
  NEAR HICO 135-136,343
  NEAR ROCKY BRANCH 336
BAYOU D'ARBONNE LAKE AT FARMERVILLE 143
  WEST OF FARMERVILLE 333
BAYOU DE LOUTRE, NEAR FARMERVILLE 132-133,326
BAYOU DES CANNES NEAR EUNICE 261-262,345
BAYOU DES GLAISES DIVERSION CHANNEL, AT MOREAUVILLE 247-248,344
  NEAR MOREAUVILLE 249
BAYOU DORCHEAT NEAR MINDEN 47
  NEAR SPRINGHILL 45-46,342
BAYOU FUNNY LOUIS TRIBUTARY NO.6 NEAR OLLA 328
BAYOU FUSILIER AT WEIR AT ARNAUDVILLE 260
BAYOU GALLION NEAR OAK RIDGE 333
BAYOU GRAND CANE NEAR STANLEY 294-299,345
BAYOU LAFOURCHE, NEAR ALTO 164
  NEAR CREW LAKE 162-163,343
BAYOU MACON, NEAR DELHI 200-201,344
  NEAR KILBOURNE 196-199,343
BAYOU MARTEAU NEAR ROCK HILL 333
BAYOU NA BONCHASSE NEAR MANSFIELD 325
BAYOU NEZPIQUE NEAR BASILE 263-264,345
BAYOU PIERRE, AT EVELYN 76-77
  AT SHREVEPORT 322
  BELOW CASPIANA 65-73
  NEAR GRAND BAYOU 74-75,342
  NEAR LAKE END 79-82
  NEAR POWHATAN 83-84
BAYOU PROVENCAL TRIBUTARY NEAR PROVENCAL 326

PAGE

BAYOU RAPIDES, AT CONTROL STRUCTURE, AT ALEXANDRIA .. 333
  NEAR ALEXANDRIA 333
BAYOU RAPIDES-BOEUF-COCODRIE DIVERSION CHANNEL, AT ALEXANDRIA 334
BAYOU RAPIDES-BOEUF-COCODRIE DIVERSION CHANNEL, AT STATE HIGHWAY 488, NEAR ALEXANDRIA 335
  AT U.S. HIGHWAY 165, NEAR ALEXANDRIA 335
BAYOU SAN MIGUEL TRIBUTARY NEAR PLEASANT HILL 330
BAYOU SAN PATRICIO NEAR BENSON 300-305,346
BAYOU SAN PATRICIO TRIBUTARY NO.2 NEAR CONVERSE 330
BAYOU SCIE AT ZWOLLE 330
BAYOU TECHE, AT ARNAUDVILLE 258-259,345
  AT ROBIN 257
BAYOU TORO NEAR TOLEDO BEND NEAR TORO 311
  NEAR TORO 309-310,346
BEAR CREEK NEAR PACKTON 328
BEAUCOUP CREEK NEAR COTTEN PLANT 327
BECKVILLE, SABINE RIVER NEAR 283-285
BECKWITH CREEK NEAR DE QUINCY 281-282,345
BED MATERIAL, DEFINITION OF 3
BEECH CREEK NEAR OLLA 327
BENSON, BAYOU SAN PATRICIO NEAR 300-305,346
BENTON, CYPRESS BAYOU (TRIBUTARY TO BODCAU BAYOU) ABOVE 53-54,342
  CYPRESS BAYOU LAKE NEAR 55
BIG BRUSHY CREEK NEAR PITKIN 329
BIG CREEK AT POLLOCK 215-219,344
BIOCHEMICAL OXYGEN DEMAND, DEFINITION OF 3
BIOMASS, DEFINITION OF 3
BLACK BAYOU (TRIBUTARY TO BAYOU CASTOR) AT KELLY 327
BLACK BAYOU (TRIBUTARY TO OUACHITA RIVER) AT WEST MONROE 333
BLACK BAYOU (TRIBUTARY TO BAYOU DORCHEAT) AT LETON .. 324
BLACK HAWK, OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF 236-237
BLACK LAKE BAYOU, NEAR CASTOR 325
  NEAR CLARENCE 93
  NEAR MINDEN 325
BLACK LAKE BAYOU TRIBUTARY NEAR ASHLAND 325
BLACK LAKE CREEK AT GIBSLAND 325
BLACK RIVER LAKE AT MONTEREY 334
BLACKWELL CREEK AT MANY 330
BODCAU BAYOU, NEAR SAREPTA 51-52,342
  NEAR SPRINGHILL 336
BOEUF RIVER, NEAR ARKANSAS-LOUISIANA STATE LINE 154-156
  NEAR FORT NECESSITY 165-170
  NEAR GIRARD 159-160,343
  SOUTHWEST OF RAYVILLE 161
BOGGY BAYOU (RED RIVER BASIN), AT WOOLWORTH ROAD, NEAR KEITHVILLE 324
  NEAR KEITHVILLE 63-64,342
BOGGY BAYOU TRIBUTARY NEAR GREENWOOD 324
BON WIER, TX, SABINE RIVER NEAR 320-321
BOYCE, RED RIVER AT 101-105
BRUSH BAYOU, AT SHREVEPORT 332
  TRIBUTARY NO.2, AT SHREVEPORT 324
  NEAR SHREVEPORT 324
BRUSHY BAYOU AT TALLULAH 178,334
BRUSHY CREEK (TRIBUTARY TO DUGDEMONA RIVER) NEAR JOYCE 328
BRUSHY CREEK (TRIBUTARY TO SABINE RIVER) AT BANCROFT 331
BUFFALO BAYOU TRIBUTARY NEAR MANSFIELD 325
BULL BAYOU NEAR HUNTER 330
BURKEVILLE, TX, SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR 307-308
  SABINE RIVER NEAR 312-314
  TOLEDO BEND RESERVOIR NEAR 306
BUSHLEY BAYOU NEAR HARRISONBURG 172,334

PAGE

BUSHNECK BAYOU TRIBUTARY NEAR KEATCHIE 330

CALCASIEU RIVER, NEAR GLENMORA 265-266,345
  NEAR KINDER 273-280,345
  NEAR OBERLIN 267-270,345
  NEAR SLAGLE 335
CALCASIEU RIVER BASIN, GAGING STATION RECORDS IN 265-282
CALCASIEU RIVER BASIN, CREST-STAGE
    PARTIAL-RECORD STATIONS IN 329-330
  DISCHARGE AT MISCELLANEOUS SITES IN 336
  FLOOD-PROFILE PARTIAL-RECORD STATIONS IN 335
  WATER QUALITY PARTIAL-RECORD STATIONS IN 345
CANE RIVER NEAR CLOUTIERVILLE 333
CANEY CREEK (TRIBUTARY TO BAYOU BEAUCOUP)
    NEAR CHATHAM 327
CASPIANA, BAYOU PIERRE BELOW 65-73
CASTOR CREEK, NEAR OBERLIN 328
CELLS/VOLUME, DEFINITION OF 4
CFS-DAY, DEFINITION OF 4
CHATLIN LAKE CANAL NEAR LECOMPTE 335
CHAUVIN BAYOU NEAR MONROE 144
CHEMICAL OXYGEN DEMAND, DEFINITION OF 4
CHENIERE BRAKE NEAR BAWCOMVILLE 333
CHENIERE CREEK SOUTH OF BAWCOMVILLE 333
CHICKASAW CREEK NEAR OLLA 327
CHINQUAPIN CREEK NEAR OBERLIN 329
CHLOROPHYLL, DEFINITION OF 4
CHOCTAW CREEK NEAR HODGE 328
CLARENCE, BLACK LAKE BAYOU NEAR 93
  SALINE BAYOU NEAR 94
CLEARWATER, BAYOU COCODRIE NEAR 242-243,344
COLFAX, RED RIVER AT 99-100
COLLECTION AND COMPUTATION OF SURFACE-WATER DATA 10
COLLECTION AND EXAMINATION OF WATER-QUALITY DATA 12
COLLECTION OF GROUND-WATER DATA 13
COLLINSBURG CREEK NEAR PLAIN DEALING 324
COLOR UNIT, DEFINITION OF 4
COLUMBIA, OUACHITA RIVER AT 146-153
CONTENTS, DEFINITION OF 4
CONTROL, DEFINITION OF 4
CONTROL STRUCTURE, DEFINITION OF 4
COOK CREEK TRIBUTARY AT SPENCER 326
COOPERATION, RECORD OF 1
CORNEY BAYOU NEAR LILLIE 137-138,326
COULEE CREEK TRIBUTARY NEAR HODGE 328
COUSAHTTA, GRAND BAYOU NEAR 87-92,343
COUSHATTA BAYOU NEAR CRICHTON 332
COURTABLEAU, BAYOU COUTRABLEAU EAST OF
    DRAINAGE STRUCTURE AT 254-256
  BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT ...251-253
CREST-STAGE PARTIAL-RECORD STATIONS 324-331
CREW LAKE, BAYOU LAFOURCHE NEAR 162-163,343
CUBIC FEET PER SECOND, DEFINITION OF 4
CUBIC FEET PER SQUARE MILE, DEFINITION OF 4
CURTIS, FLAT RIVER NEAR 49-50,342
CYPRESS BAYOU (TRIBUTARY TO BODCAU BAYOU)
    ABOVE BENTON 53-54,342
CYPRESS BAYOU (TRIBUTARY TO WALLACE BAYOU)
    NEAR KEITHVILLE 325
CYPRESS BAYOU (TRIBUTARY TO DUGDEMONA RIVER)
    AT QUITMAN 328
CYPRESS BAYOU LAKE NEAR BENTON 55
CYPRESS CREEK NEAR VIXEN 327

DANVILLE, FOUSE BAYOU AT LA. 155, NEAR 204-206,344
DEER CREEK NEAR WISNER 334
DEFINITION OF TERMS 3
DELHI, BAYOU MACON NEAR 200-201,344
DE QUINCY, BECKWITH CREEK NEAR 281-282,345
DISCHARGE, DEFINITION OF 4
DISCHARGE MEASUREMENT MADE AT MISCELLANEOUS SITES ... 336
DISSOLVED, DEFINITION OF 4
DIVERSITY INDEX, DEFINITION OF 4
DIXIE, TWELVEMILE BAYOU BELOW 40
  TWELVEMILE BAYOU NEAR 33-39,342
DOWNSTREAM ORDER AND STATION NUMBERS 9
DRAINAGE AREA, DEFINITION OF 5
DRAINAGE BASIN, DEFINITION OF 5
DRAKES CREEK NEAR PITKIN 329,336
DRY CREEK AT DRY CREEK 329

PAGE

DRY FORK AT ARCHIBALD 327
DUGDEMONA RIVER, NEAR DODSON 334,336
  NEAR JONESBORO 202-203,344
  NEAR QUITMAN 328
  NEAR WINNFIELD 207,336
DUGDEMONA RIVER TRIBUTARY NEAR JOYCE 328
DYSON CREEK NEAR POLLOCK 328

EAST FORK BAYOU NEZPIQUE TRIBUTARY NEAR
    BAYOU CHICOT 328
ELUTRIATE, DEFINITION OF 5
EUNICE, BAYOU DES CANNES NEAR 261-262,345
EVELYN, BAYOU PIERRE AT 76-77
EXPLANATION OF GROUND-WATER LEVEL RECORDS 13
EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS 10
EXPLANATION OF WATER-QUALITY RECORDS 12

FARMERVILLE, BAYOU D'ARBONNE LAKE AT 143
  BAYOU DE LOUTRE NEAR 132-133
FERRIDAY, LAKE CONCORDIA AT 230-235
FLAT CREEK (TRIBUTARY TO BUNDICK CREEK)
    NEAR DE RIDDER 329
FLAT CREEK (TRIBUTARY TO CASTOR CREEK) NEAR OLLA..... 327
  NEAR SIKES 327
FLAT RIVER, NEAR CURTIS 49-50,342
  NEAR ELM GROVE 332
FLOCTAW CREEK NEAR LACAMP 329
  NORTHWEST OF LACAMP 336
FLOOD-PROFILE PARTIAL-RECORD STATIONS 332-335
FORT NECESSITY, BOEUF RIVER NEAR 165-170
FOUSE BAYOU, AT LA 155, NEAR DANVILLE 204-206,344
FUNSTON, BAYOU CASTOR NEAR 289-290,345

GAGE HEIGHT, DEFINITION OF 5
GAGING STATION, DEFINITION OF 5
GIRARD, BOEUF RIVER NEAR 159-160,343
GLENMORA, CALCASIEU RIVER NEAR 265-266,345
  SPRING CREEK NEAR 238-241,344
GRAND BAYOU, BAYOU PIERRE NEAR 74-75,342
GRAND BAYOU NEAR COUSHATTA 87-92,343
GREENWOOD, PAW PAW BAYOU NEAR 31-32,342
GROUND-WATER LEVELS FOOTNOTES 419
GROUND-WATER RECORDS (BY PARISHES)
  ALLEN 351-354,412-414
  AVOYELLES 354-355,412-414
  BEAUREGARD 355-359,412-414
  BIENVILLE 360-361,412-414
  BOSSIER 362
  CADDO 362
  CALDWELL 362-363
  CATAHOULA 363
  CLAIBORNE 363-364
  CONCORDIA 365,412-414
  DE SOTO 365-369,412-414
  EAST CARROLL 369-370
  EVANGELINE 370-374,412-414
  FRANKLIN 412-414
  GRANT 374-375,412-414
  JACKSON 375-377
  LA SALLE 377-378,412-414
  LINCOLN 378-379
  MADISON 379
  MOREHOUSE 379-382
  NATCHITOCHES 382-383,415-417
  OUACHITA 383-386,415-417
  RAPIDES 386-394,415-417,420
  RED RIVER 394-395,415-417
  RICHLAND 395-397,415-417
  SABINE 397-400
  ST. LANDRY 400-402,415-417,420
  TENSAS 402
  UNION 403-405
  VERNON 405-407,418,420
  WEBSTER 407-409,418
  WEST CARROLL 409
  WINN 409-410
GUYTON CREEK NEAR EROS 327

HARDNESS, DEFINITION OF 5
HARRISONBURG, BUSHLEY BAYOU NEAR 172

PAGE

HEMPHILL CREEK AT NEBO 220-225,344
HICKORY BRANCH, AT KERNAN 330
  NEAR LONGVILLE 329
HICO, BAYOU D'ARBONNE NEAR 135-136,343
HOOSIER CREEK NEAR MERRYVILLE 322-323,346
HORSE BAYOU AT BASTROP 326
HORSESHOE DRAINAGE CANAL, AT PACKING HOUSE ROAD,
      AT ALEXANDRIA 335
HOSSTON, RED RIVER NEAR 22-25,342
HURRICANE CREEK TRIBUTARY AT FOREST HILL 328
HYDROLOGIC BENCH-MARK STATION, DEFINITION OF 9
HYDROLOGIC CONDITIONS, SUMMARY OF 2
HYDROLOGIC UNIT, DEFINITION OF 5
HYNSON BAYOU, AT BRINGHURST PARK, AT ALEXANDRIA 335
  AT MIDWAY STREET, AT ALEXANDRIA 335

INDEX 421-424
INDIAN CREEK (TRIBUTARY TO BAYOU DORCHEAT)
      AT SHONGALOO 324
INTRODUCTION 1
IVAN LAKE NEAR COTTON VALLEY 332

JONES, BAYOU BARTHOLOMEW NEAR 126-129,343
  BAYOU BARTHOLOMEW NORTHWEST OF 130
JONESBORO, DUGDEMONA RIVER NEAR 202-203,344

KEITHVILLE, BOGGY BAYOU NEAR 63-64,342
KELLY BAYOU NEAR IDA 324
KEPLER CREEK AT SPARTA 325
KEPLER LAKE NEAR CASTOR 332
KILBOURNE, BAYOU MACON NEAR 196-199,343
KINDER, CALCASIEU RIVER NEAR 273-280,345
KISATCHIE BAYOU AT KISATCHIE 326
  AT LOTUS 96-98,343
KNIGHT, BAYOU ANACOCO NEAR 317-319
KROTZ SPRING, STATE CANAL NEAR 250

LAKE BISTINEAU NEAR RINGGOLD 48
LAKE BRUIN, AT LAKE BRUIN PARK, NR ST.JOSEPH 195
LAKE CLAIBORNE NEAR AYCOCK 134
LAKE CONCORDIA, AT FERRIDAY 230-235
LAKE END, BAYOU PIERRE NEAR 79-82
LAKE PROVIDENCE, LAKE PROVIDENCE AT 175-177
  NORTH OF LAKE PROVIDENCE 173-174
LAKE ST. JOHN NEAR WATERPROOF 226-229
LAKE ST.JOSEPH NEAR NEWELLTON 191-194
LAND SURFACE DATUM, DEFINITION OF 5
LARTO LAKE AT DAM NEAR ACME 123
LEATHERMAN CREEK TRIBUTARY AT ATHENS 325
LILLIE, CORNEY BAYOU NEAR 137-138
  LITTLE CORNEY BAYOU NEAR 139-142,343
LITTLE CORNEY BAYOU NEAR LILLIE 139-142,343
LITTLE DUGDEMONA RIVER NEAR HODGE 328
LITTLE RIVER, AT ROCHELLE 208
  NEAR ROCHELLE 209-214,344
LITTLE SANDY CREEK NEAR KISATCHIE 336
LITTLE SIXMILE CREEK NEAR PITKIN 329
LOGAN BAYOU NEAR SHREVEPORT 324
LOGANSPORT, BAYOU CASTOR NEAR 291-293
  SABINE RIVER AT 286-288
LOGGY BAYOU, NEAR NINOCK 59-62
LOTUS, KISATCHIE BAYOU AT 96-98,343
LOWER ROUNDAWAY BAYOU TRIBUTARY NEAR TALLULAH 179,334
LUCKY, SALINE BAYOU NEAR 85-86,342

MACKS BAYOU, AT BOSSIER CITY 332
MCCAIN CREEK, NEAR SHREVEPORT 324
MEAN CONCENTRATION 7
MEASUREMENTS AT MISCELLANEOUS SITES 336
MERMENTAU RIVER BASIN, GAGING STATION RECORDS IN 261-264
  CREST-STAGE PARTIAL-RECORDS STATIONS IN 328
  WATER-QUALITY PARTIAL-RECORD STATIONS IN 345
MERRYVILLE, HOOSIER CREEK NEAR 322-323,346
METHYLENE BLUE ACTIVE SUBSTANCE, DEFINITION OF 5
MICROGRAMS PER GRAM, DEFINITION OF 5
MICROGRAMS PER KILOGRAM, DEFINITION OF 5
MICROGRAMS PER LITER, DEFINITION OF 5
MILL CREEK AT RINGGOLD 325
MILLIGRAMS PER LITER, DEFINITION OF 5
MIDDLE FORK BAYOU D'ARBONNE NEAR COLQUITT 326

PAGE

MINDEN, BAYOU DORCHEAT NEAR 47
MISSISSIPPI RIVER AT VICKSBURG, MS 19-21
  NEAR BLACK HAWK 340
MISSISSIPPI RIVER DELTA, GAGING STATION RECORDS IN ..238-260
  FLOOD-PROFILE PARTIAL-RECORD STATIONS IN 334-335
  WATER-QUALITY MISCELLANEOUS SITES IN 340
  WATER QUALITY PARTIAL-RECORD STATIONS IN 344-345
MONCIA, RED RIVER AT 118-122
MONROE, CHAUVIN BAYOU NEAR 144
MOREAUVILLE, BAYOU DES GLAISES DIVERSION
      CHANNEL AT 247-248,344
  BAYOU DES GLAISES DIVERSION CHANNEL NEAR 249
MUDDY CREEK, AT LA-4, NEAR DANVILLE 336,340
MUDDY CREEK TRIBUTARY NEAR ALTO 327

NANTACHIE LAKE NEAR ALOHA 95
NATIONAL GEODETIC VERTICAL
      DATUM OF 1929 DEFINITION OF 5
NATIONAL STREAM-QUALITY ACCOUNTING NETWORK 9
NEBO,HEMPHILL CREEK AT 220-225,344
NETWORKS AND PROGRAMS, SPECIAL 9
NEWELLTON, LAKE ST. JOSEPH NEAR 191-194
NINOCK, LOGGY BAYOU NEAR 59-62
NORTH CHENIERE CREEK AT CHENIERE 327
NUMBERING SYSTEMS FOR WELLS AND MISCELLANEOUS SITES . 9

OAK RIDGE, BAYOU BONNE IDEE NEAR 157-158
OBERLIN, CALCASIEU RIVER NEAR 267-270,345
  WHISKY CHITTO CREEK NEAR 271-272,345
OLD RIVER AT MONTROSE 332
OLD RIVER OUTFLOW CHANNEL (KNOX LANDING)
      SOUTH OF BLACK HAWK 236-237
ORDER, DOWNSTREAM, AND STATION NUMBERS............... 9
ORGANISM COUNT/VOLUME, DEFINITION OF 5
ORGANISM, DEFINITION OF 5
OTHER DATA AVAILABLE 12
OUACHITA RIVER, AT COLUMBIA 146-153
  AT STERLINGTON 131
  NEAR ARKANSAS-LOUISIANA STATE LINE 124-125,343
  NEAR RIVERTON 145

PANOLA BAYOU AT TALLULAH 180,334
PARTIAL-RECORD STATION, DEFINITION OF 5
PARTICLE-SIZE CLASSIFICATION, DEFINITION OF 5
PARTICLE-SIZE, DEFINITION OF 5
PAW PAW BAYOU NEAR GREENWOOD 31-32,342
PEARL CREEK AT STATE HWY. 111 AT BURR FERRY 330
PEA VINE CREEK AT BIENVILLE 325
PERCENT COMPOSITION, DEFINITION OF 6
PERSIMMON BAYOU NEAR ALEXANDRIA 335
PESTICIDE, DEFINITION OF 6
PESTICIDE PROGRAM 9
PHYTOPLANKTON, DEFINITION OF 6
PICOCURIE, DEFINITION OF 6
PLANKTON, DEFINITION OF 6
POLLOCK, BIG CREEK AT 215-219,344
POLYCHLORINATED BIPHENYLS, DEFINITION OF 7
POLYCHLORINATED NAPTHALENES, DEFINITION OF 7
POWHATAN,BAYOU PIERRE NEAR 83-84
PUBLICATIONS ON TECHNIQUES OF WATER RESOURCES
      INVESTIGATION 14

RADIOCHEMICAL PROGRAM, DEFINITION OF 9
RAMBIN, WEST BRANCH DOLET BAYOU AT 78
RAMBIN BAYOU NEAR FRIERSON 325
RAWSON CREEK NEAR HARRISONBURG 334
RAYVILLE, BOEUF RIVER SOUTHWEST OF 161
RECORDS OF DISCHARGE COLLECTED BY OTHER AGENCIES..... 12
RED BANK CREEK AT EVANS 330
RED CHUTE BAYOU AT SLIGO 56-58,342
RED RIVER, ABOVE OLD RIVER OUTFLOW CHANNEL
      ABOVE SIMMESPORT 341
  ABOVE SHREVEPORT 26-30
  AT ALEXANDRIA 106-117
  AT BOYCE 101-105
  AT COLFAX 99-100
  AT MONCIA 118-122
  AT SHREVEPORT 41-44
  NEAR HOSSTON 22-25,342
RED RIVER BASIN, GAGING STATION RECORDS IN 22-237

PAGE

RED RIVER BASIN, DISCHARGE AT MISCELLANEOUS
    SITES IN 336
  CREST-STAGE PARTIAL-RECORD STATIONS IN..............324-328
  FLOOD-PROFILE PARTIAL-RECORD STATIONS IN 332-334
  WATER-QUALITY MISCELLANEOUS SITES IN 340-341
  WATER-QUALITY PARTIAL-RECORD STATIONS IN............342-344
RINGGOLD, LAKE BISTINEAU NEAR 48
RIVERTON, OUCHITA RIVER NEAR 145
ROBIN, BAYOU TECHE AT 257
ROCHELLE, LITTLE RIVER AT 208
  LITTLE RIVER NEAR 209-214,344
ROSEPINE, BAYOU ANACOCO NEAR 315-316,346
ROUNDAWAY BAYOU NEAR TALLULAH 334
RUNOFF IN INCHES, DEFINITION OF 7

SABINE RIVER, AT LOGANSPORT 286-288
  NEAR BECKVILLE, TX 283-285
  NEAR BON WIER, TX 320-321
  NEAR BURKEVILLE, TX 312-314
SABINE RIVER, AT TOLEDO BEND RESERVOIR
    NEAR BURKSVILLE, TX 307-308
SABINE RIVER BASIN, GAGING STATION RECORDS IN 283-323
  CREST-STAGE PARTIAL-RECORD STATIONS IN.............330-331
  DISCHARGE AT MISCELLANEOUS SITES IN 336
  FLOOD-PROFILE PARTIAL-RECORD STATIONS IN 335
  RESERVOIRS IN 306
  WATER-QUALITY PARTIAL-RECORD STATIONS IN...........345-346
SALINE BAYOU, AT ALLEN DAM, NEAR CLARENCE 332
  NEAR BIENVILLE 325
  NEAR CLARENCE 94
  NEAR LUCKY 85-86,342
SALINE LAKE NEAR CLARENCE 332
SAND BEACH BAYOU, AT SHREVEPORT 332
SANDY CREEK (TRIBUTARY TO ANACOCO LAKE)
    NEAR BURR FERRY 335
SAREPTA, BODCAU BAYOU NEAR ....,..51-52,342
SEDIMENT, DEFINITION OF 7,12
SEEPAGE INVESTIGATION:
  WHISKY CHITTO CREEK 337-339
SHREVEPORT, RED RIVER ABOVE 26-30
  RED RIVER AT 41-44
SIBLEY LAKE TRIBUTARY NEAR NATCHITOCHES 326
SIXMILE CREEK NEAR SUGARTOWN 329
SLASH BAYOU TRIBUTARY AT HOLLOWAY 326
SLIGO, RED CHUTE AT 56-58,342
SOLUTES, DEFINITION OF 7
SPECIAL NETWORKS AND PROGRAMS 9
SPECIFIC CONDUCTANCE, DEFINITON OF 7
SPRING CREEK NEAR GLENMORA 238-241,344
SPRING CREEK TRIBUTARY NEAR HINESTON 328
SPRINGHILL, BAYOU DORCHEAT NEAR 45-46,342
STAGE-DISCHARGE RELATION, DEFINITION OF 7
STATE CANAL NEAR KROTZ SPRINGS 250
ST. JOSEPH, LAKE BRUIN AT STATE PARK NEAR 195
STANLEY, BAYOU GRAND CANE NEAR 294-299,345
STERLINGTON, OUACHITA AT 131
STOWE CREEK NEAR FARMERVILLE 326
STREAMFLOW, DEFINITION OF 7
SUBSTRATE, DEFINITION OF 7
SUGAR CREEK NEAR ARCADIA 326
SURFACE AREA, DEFINITION OF 7

PAGE

SURFICIAL BED MATERIAL, DEFINITION OF 7
SUSPENDED, DEFINITION OF 7
SUSPENDED-RECOVERABLE DEFINITION OF 8
SUSPENDED-SEDIMENT CONCENTRATION, DEFINITION OF 7
SUSPENDED-SEDIMENT, DEFINITION OF 7
SUSPENDED-SEDIMENT DISCHARGE, DEFINITION OF 7
SUSPENDED-SEDIMENT LOAD, DEFINITION OF 7
SUSPENDED-TOTAL DEFINITION OF 8
SWAN LAKE NEAR ELM GROVE 332

TALLULAH, BRUSHY BAYOU AT 178
  PANOLA BAYOU AT 180
  LOWER ROUNDAWAY BAYOU TRIBUTARY NEAR 179
TAXONOMY, DEFINITION OF 8
TENDAL, TENSAS RIVER AT 181-189,343
  TENSAS RIVER SOUTHEAST OF 190
TENMILE CREEK NEAR ELIZABETH 329
TENSAS RIVER, AT TENDAL 181-189,343
  SOUTHEAST OF TENDAL 190
TERMS, DEFINITION OF 3
TIME-WEIGHTED AVERAGE, DEFINITION OF 8
TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX 306
TONS PER ACRE-FOOT, DEFINITION OF 8
TONS PER DAY, DEFINITION OF 8
TORO, BAYOU TORO NEAR 309-310,346
  BAYOU TORO NEAR TOLEDO BEND NEAR 311
TOTAL, DEFINITION OF 8
TOTAL LOAD, DEFINITION OF 8
TOTAL RECOVERABLE, DEFINITION OF 8
TOTAL SEDIMENT DISCHARGE, DEFINITION OF 7
TRITIUM NETWORK, DEFINITION OF 9
TURKEY CREEK, AT JIGGER 334
  AT ST. HWY. 15 AT WINNSBORO 171,334
  NEAR BASKIN 333
TWELVEMILE BAYOU, BELOW DIXIE 40
  NEAR DIXIE 33-39,342

VICKSBURG, MS, MISSISSIPPI RIVER AT 19-21

WASHINGTON, BAYOU COURTABLEAU AT 245-246,344
  BAYOU COURTABLEAU NEAR 244
WATER ANALYSIS, DEFINITION OF 12
WATERPROOF, LAKE ST. JOHN NEAR 226-229
WATER TEMPERATURE, DEFINITION OF 12
WEIGHTED AVERAGE, DEFINITION OF 8
WEST ANACOCO CREEK NEAR HORNBECK 330
WEST BRANCH DOLET BAYOU AT RAMBIN 79
WEST FORK CANEY CREEK TRIBUTARY NEAR OAKDALE 329
WHISKY CHITTO CREEK NEAR OBERLIN 271-272,345
WHISKY CHITTO CREEK TRIBUTARY NEAR LEESVILLE 329
WILLIAMSON BRANCH TRIBUTARY AT GARDNER 326
WINNFIELD, DUGDEMONA RIVER NEAR 207
WINNSBORO, TURKEY CREEK AT ST. HWY. 15 AT 171
WRD, DEFINITION OF 8
WSP, DEFINITION OF 8

YOUNGS BAYOU AT MONROE 333
  NEAR MONROE 333

ZOOPLANKTON, DEFINITION OF 7
MERCI LE BON DIEU ....THE END

★ U. S. GOVERNMENT PRINTING OFFICE: 1982—571-197

October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons